SAMSUNG

SERVICE MANUAL

VP-D50

SAMSUNG

DIGITAL VIDEO CAMERA

VP-D50

SERVICE Manual

SAMSUNG

ELECTRONICS

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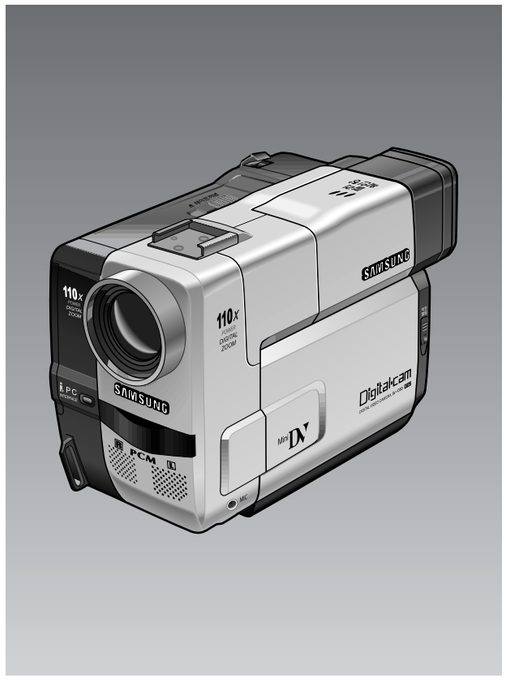
DIGITAL VIDEO CAMERA



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UPDATE LOG SHEET

Application Data	Page	Part #	Note(Cause & Solution)	S/Bulletin #

Use this page to keep any special servicing information. (Service Bulletin, etc.)
If only parts number changes, Just change parts number directly on parts list.
And if you need more information, please see the service bulletin

1. Specifications

Item	Description
Television system	PAL signal
Recording system	DV system (Digital VCR SD for public)
Tape	6.35mm digital video tape : Mini. DV cassette
Tape speed	SP : approx. 18.83 mm/sec
Tape recording time	SP : 60 min (with DVM60)
Power	7.8V DC, Li-ion battery pack 7.2V
Power consumption	6.9W (with LCD), 6.4W (with electronic viewfinder)
Power type	Li-ion battery, power supply (100V - 240V)
Operating temperature	0˚C - 40˚C
Operating humidity	10% - 80%
Storage temperature	-20˚C to +60˚C
Dimensions	L144mm x H93mm x W83mm
Weight	670g (except Li-ion battery pack and cassette)
DV output	Connector for 4 pins
Video output	1Vp-p (75Ω terminated)
S-Video output	Y:1Vp-p, 75Ω , C:0.286 Vp-p, 75Ω
Audio output	-7.5dBs (600Ω terminated)
Horizontal resolution	more than 400lines (when playing recorded camera)
FF/REW time	approx. 160sec (with DVM60)
Electronic viewfinder	0.55" color LCD
LCD	2.5" high resolution TFT LCD (112,320 pixels)
Lens	F1.8, 11X motor zoom, 110X(digital) motor zoom lens
Microphone	Non-directional stereo
Remote control	Indoor: max. 15 m, max. 12 m (horizontal 30˚) Outdoor: max. 5 m, max. 3m (horizontal 30˚)

⌘ The technical specifications and design may be changed without notice. Weight and dimensions are approximate.

MEMO

2. Disassembly and Reassembly

2-1. Cabinet and PCB Disassembly

2-1-1. Ass'y Front Removal

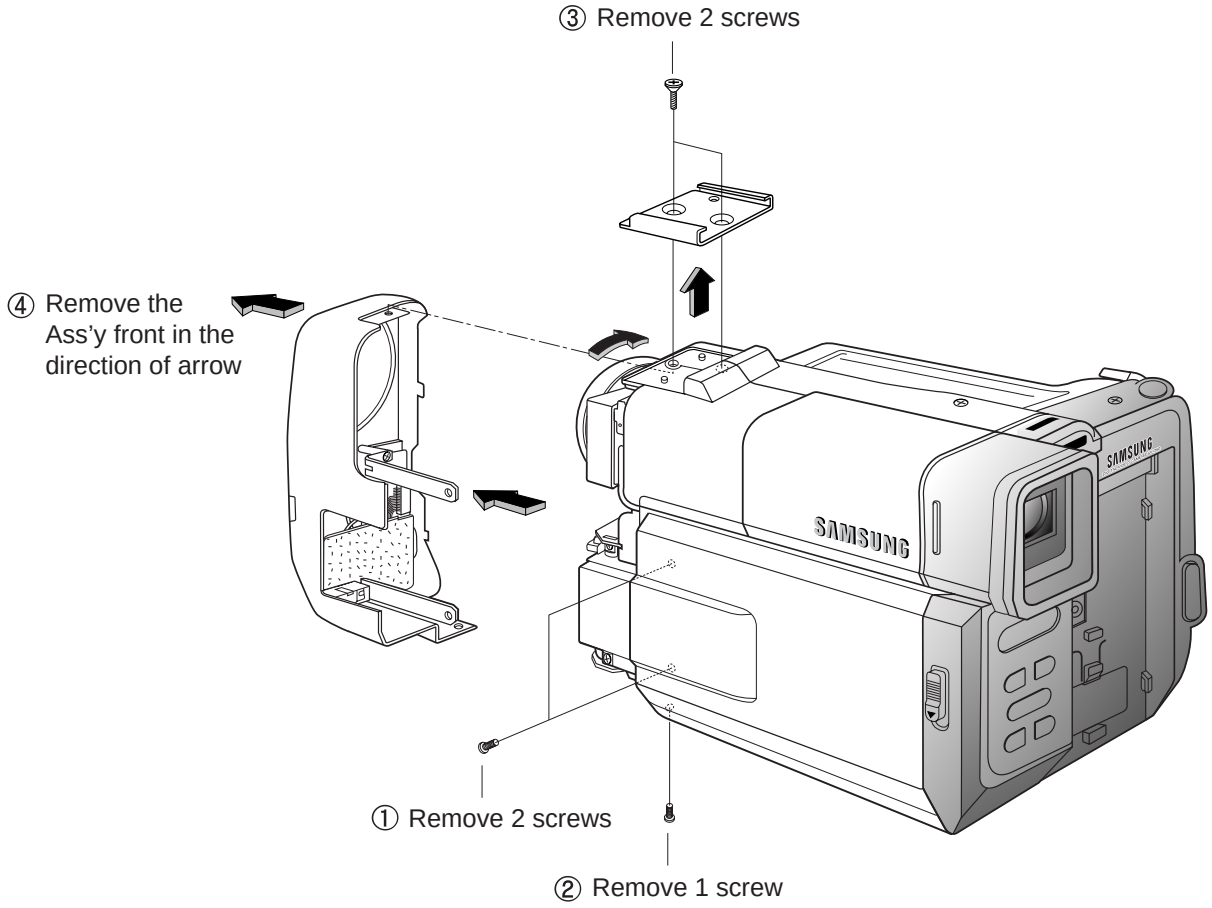


Fig. 2-1 Ass'y Front Removal

3. Adjustment

3-1. VCR Adjustment

3-1-1. VCR Adjustment Preparation

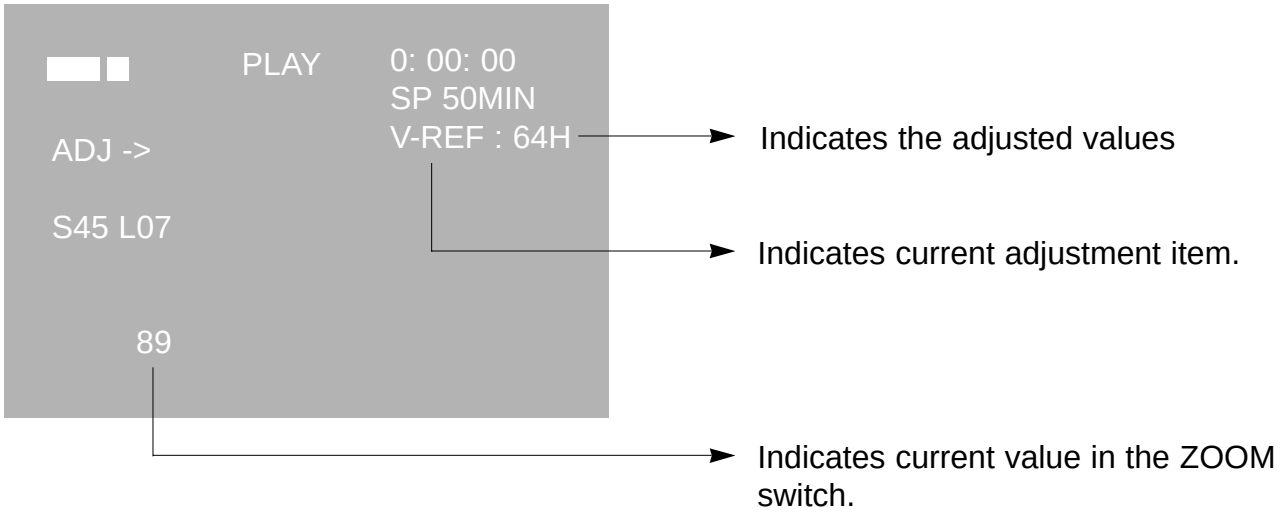
1. How to get into the VCR adjust mode.

STEP 1

1. Connect the power source.
2. Set the mode switch of the video camera to "VCR" position.
3. Insert standard tape into the video camera and set to "PLAY" position.

STEP 2

1. Press and hold the "PLAY" button on the video camera or the remote control and "DOWN" button on the video camera at the same time for more than 10 seconds.
2. When monitor OSD appears as shown below, VCR adjustment mode has been activated successfully.
3. When changing the adjustment item after the adjusted value is designated, press the START/STOP button.



4. Exploded View and Parts List

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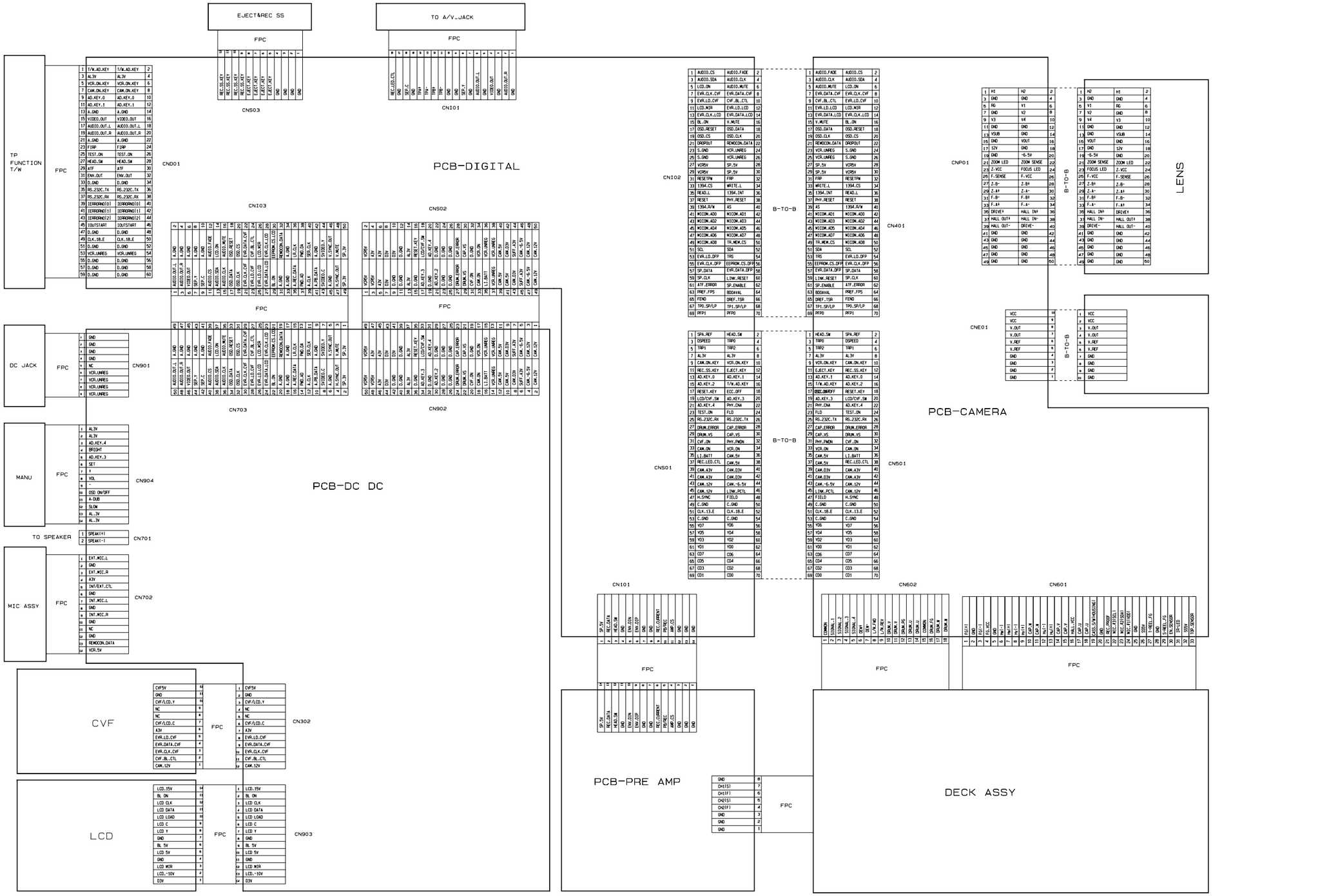
5. Electrical Parts List

Loc. No	Part No	Desc & Spec	Remark
	ASSY-CAMERA MICOM BOARD		
B510	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8mm,-,-	
B513	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8mm,-,-	
B515	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8mm,-,-	
B516	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8mm,-,-	
C401	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C402	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C403	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C404	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C405	2203-000384	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,160	
C406	2203-000384	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,160	
C407	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C408	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C409	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C410	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C411	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
C412	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C413	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C414	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C415	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C416	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C417	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C418	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C501	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C502	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C503	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C504	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C505	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C506	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C507	2203-000681	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,160	
C508	2203-000681	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,160	
C509	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C510	2203-000332	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
C511	2203-000332	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
C512	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C513	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C515	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C516	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C517	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C518	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C519	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C525	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C526	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C527	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C528	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C529	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C531	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C533	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C601	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C602	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C603	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C605	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C606	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C607	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C608	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C609	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C610	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C611	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C612	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C613	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C614	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C615	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C616	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C617	2203-005015	C-CERAMIC,CHIP;150nF,+80-20%,16V,Y5V,TP,	
C618	2203-005015	C-CERAMIC,CHIP;150nF,+80-20%,16V,Y5V,TP,	
C619	2203-005015	C-CERAMIC,CHIP;150nF,+80-20%,16V,Y5V,TP,	
C620	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C621	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C623	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C627	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C628	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C629	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C630	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C631	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C632	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C633	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
C634	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
C635	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	

6. Wiring Diagram



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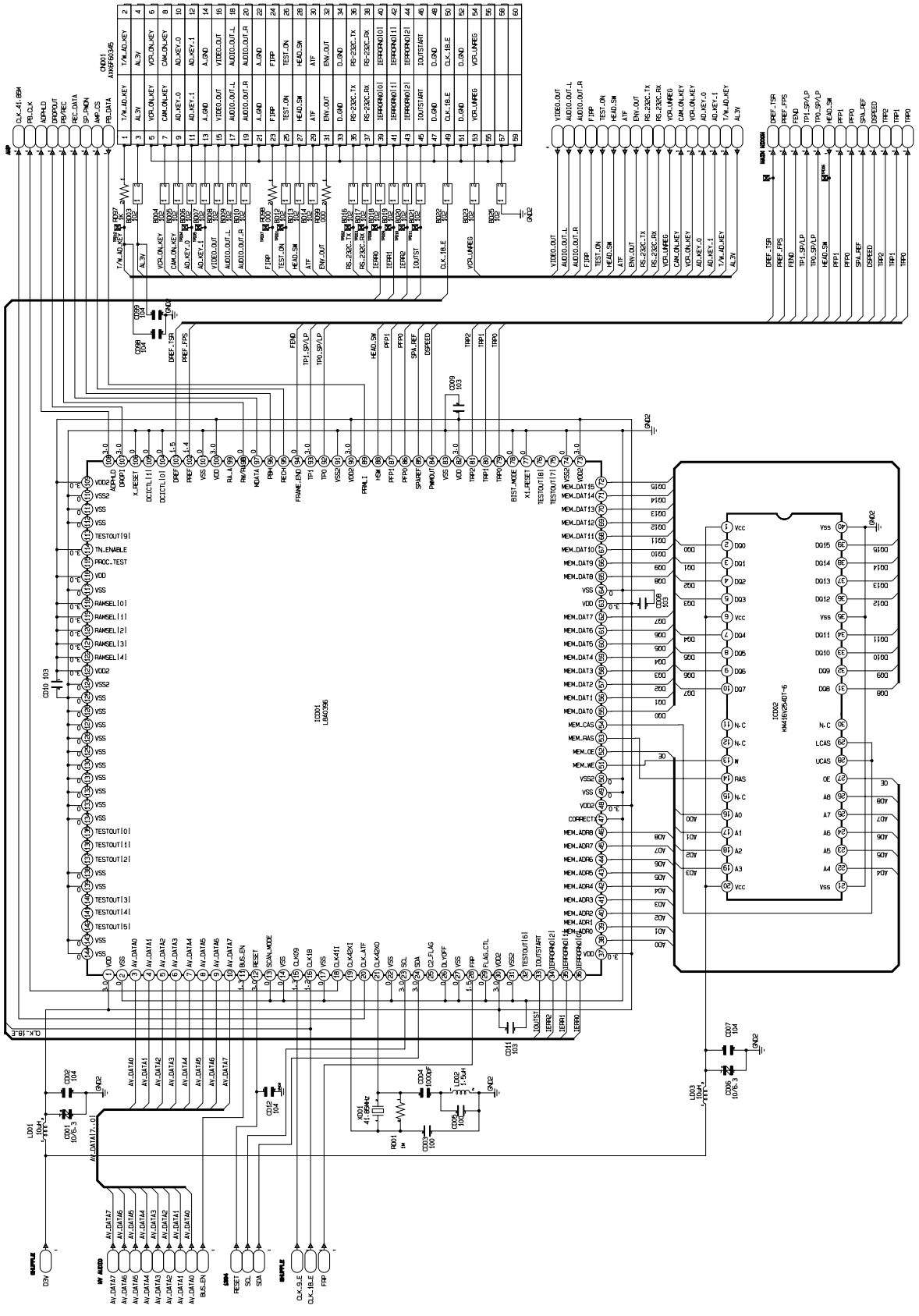
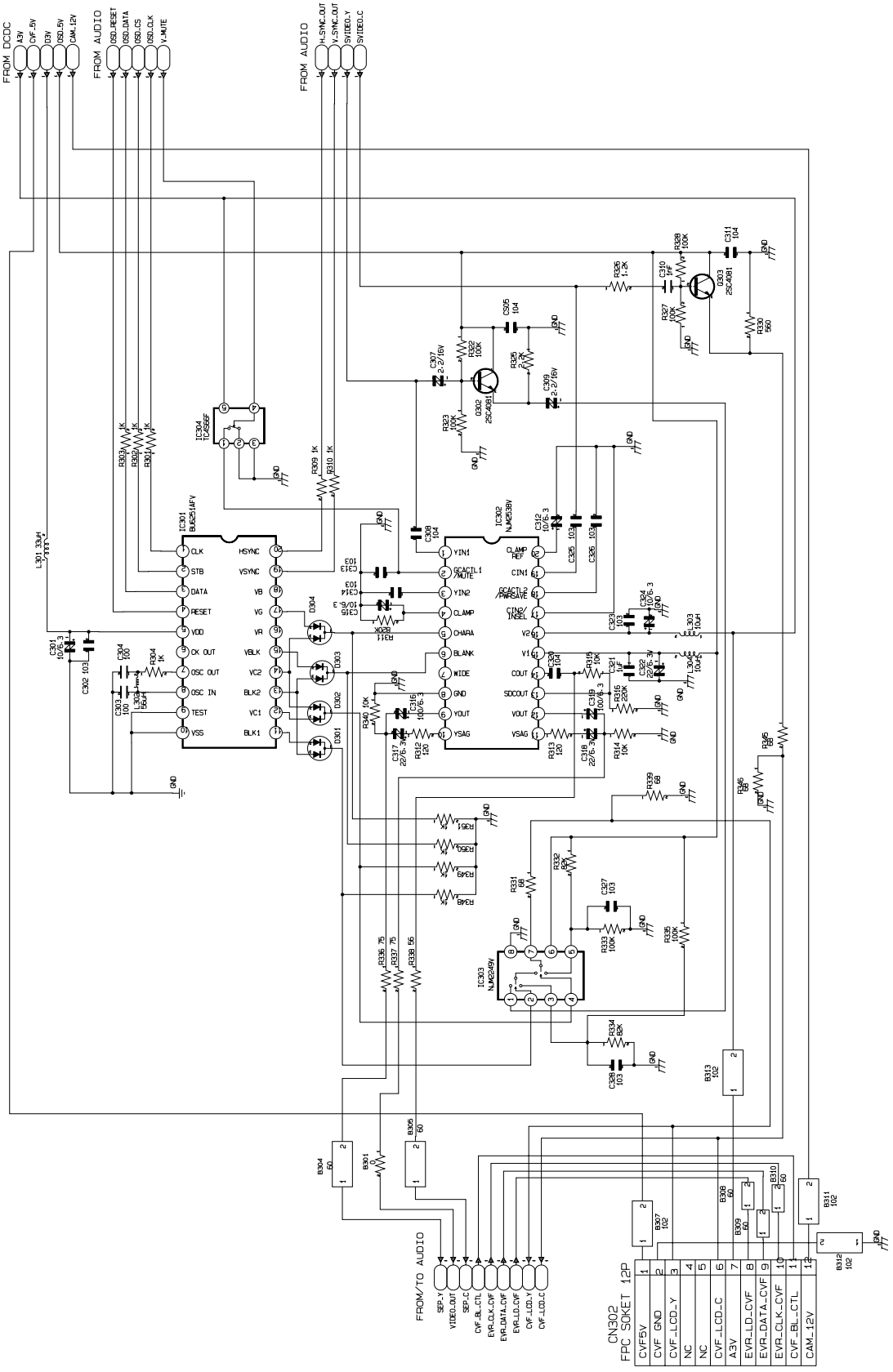
8-10 Channel



8-11 Video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A3V
CVF_5V
D3V
OSD_5V
CAM_12V
FROM AUDIO
OSD_RESET
OSD_DATA
OSD_CS
OSD_CLK
V_MUTE
FROM AUDIO
H_SYNC_OUT
V_SYNC_OUT
SVIDEO_Y
SVIDEO_C
IC301
BU4514FV
CLK
STB
DATA
RESET
VDD
CK OUT
OSC OUT
OSC IN
TEST
VSS
HSYNC
VSYNC
VB
VG
VR
VBLK
VC2
BLK2
VC1
BLK1
IC302
NJM2538V
YIN1
GCACTL1/MUTE
YIN2
CLAMP
CHARA
BLANK
WIDE
GND
YOUT
YSAG
CLAMP REF
CIN1
GCACTL2/PWRSAVE
CIN2/INSEL
V2
V1
COUT
SDCOUT
VOUT
VSAG
IC303
NJM2245V
IC304
TC4S66F
D301
D302
D303
D304
D305
D306
D307
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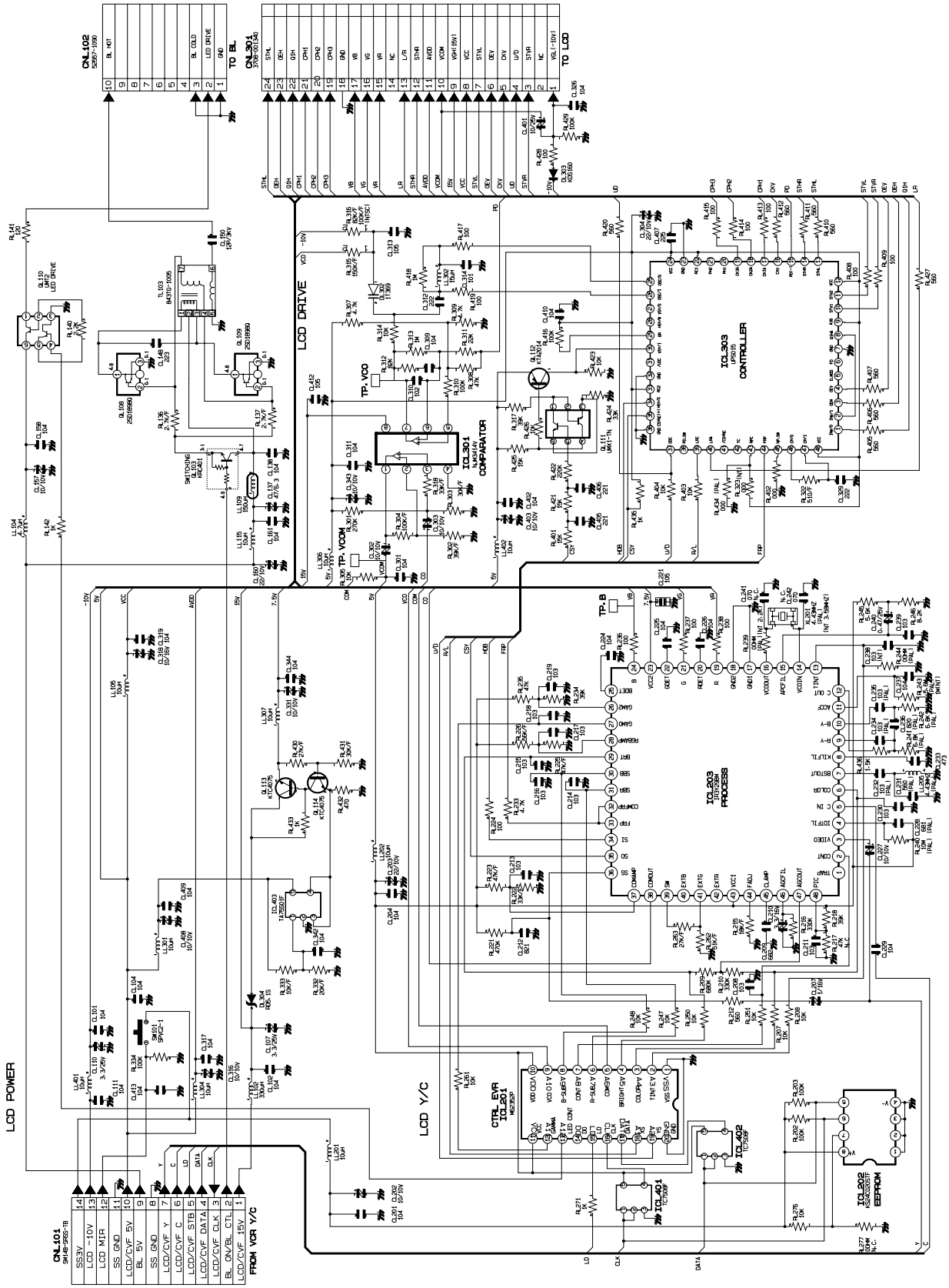
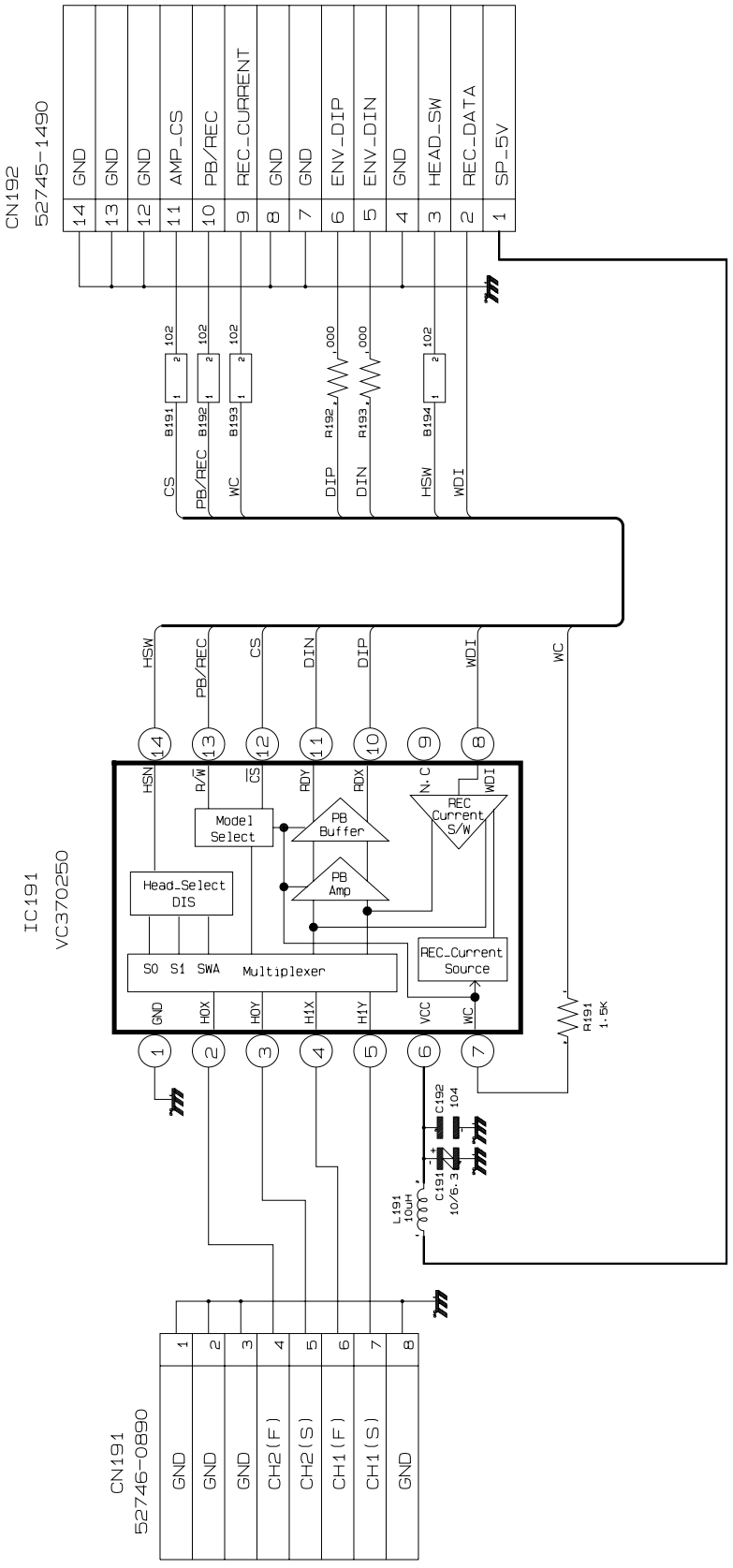
R338
B301
B304
B305
B306
B307
B308
B309
B310
B311
B312
B313
Q302
Q303
FROM/TO AUDIO
SEP_Y
VIDEO_OUT
SEP_C
CVF_BL_CTL
EVR_CLK_CVF
EVR_DATA_CVF
CVF_LCD_Y
CVF_LCD_C
CN302
FPC SOKET 12P
CVF5V
CVF GND
CVF_LCD_Y
NC
NC
CVF_LCD_C
A3V
EVR_LCD_CVF
EVR_DATA_CVF
EVR_CLK_CVF
CVF_BL_CTL
CAM_12V
GND

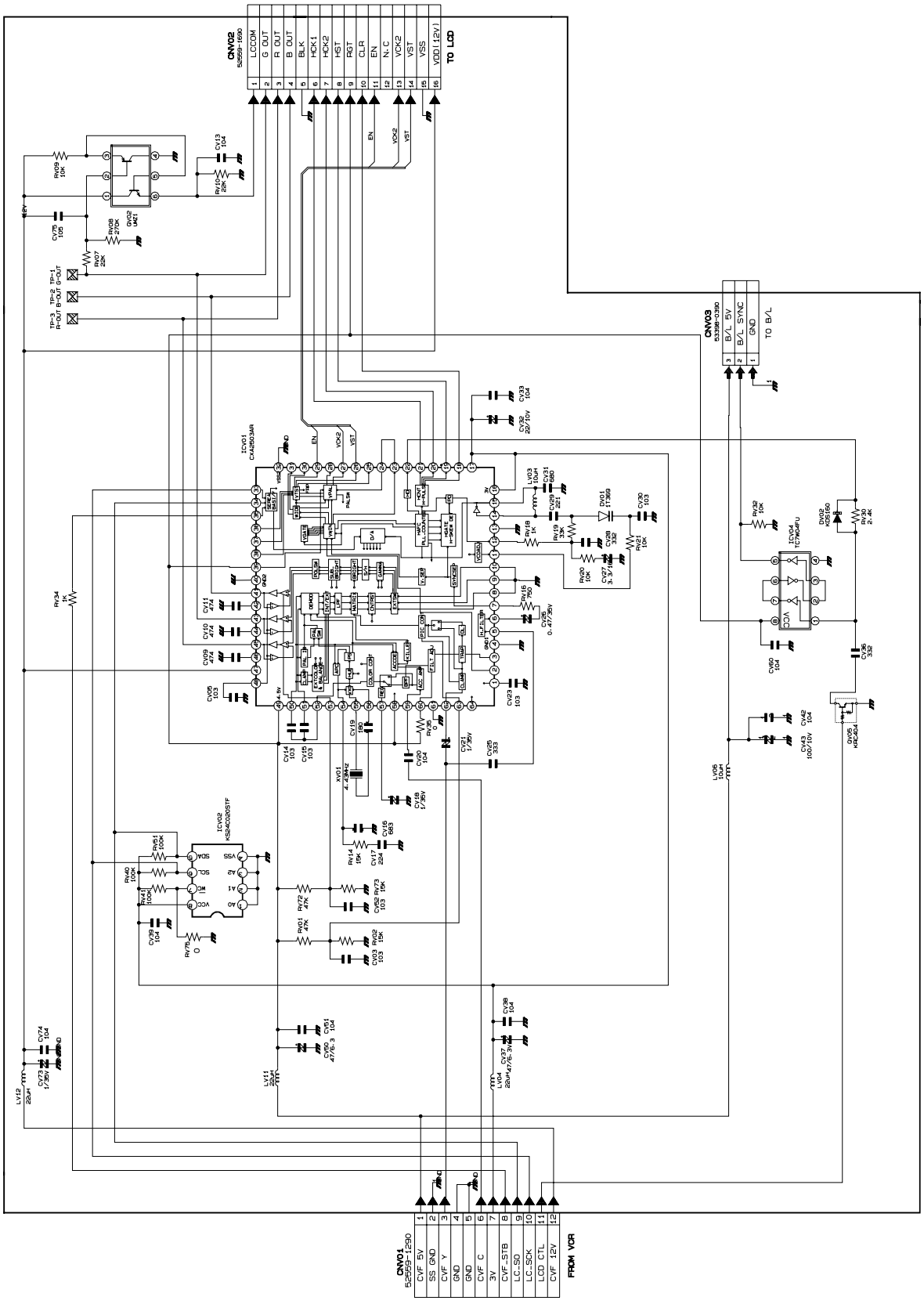
8-12 LCD


LCD POWER
LCD Y/C
LCD DRIVE
CN102
CN304
CN101
TO BL
TO LCD
FROM VCR Y/C
IC1303
IC1301
IC1203
IC1201
IC1202
IC1402
IC1401
TP-VCOM
TP-VCO
TP-B

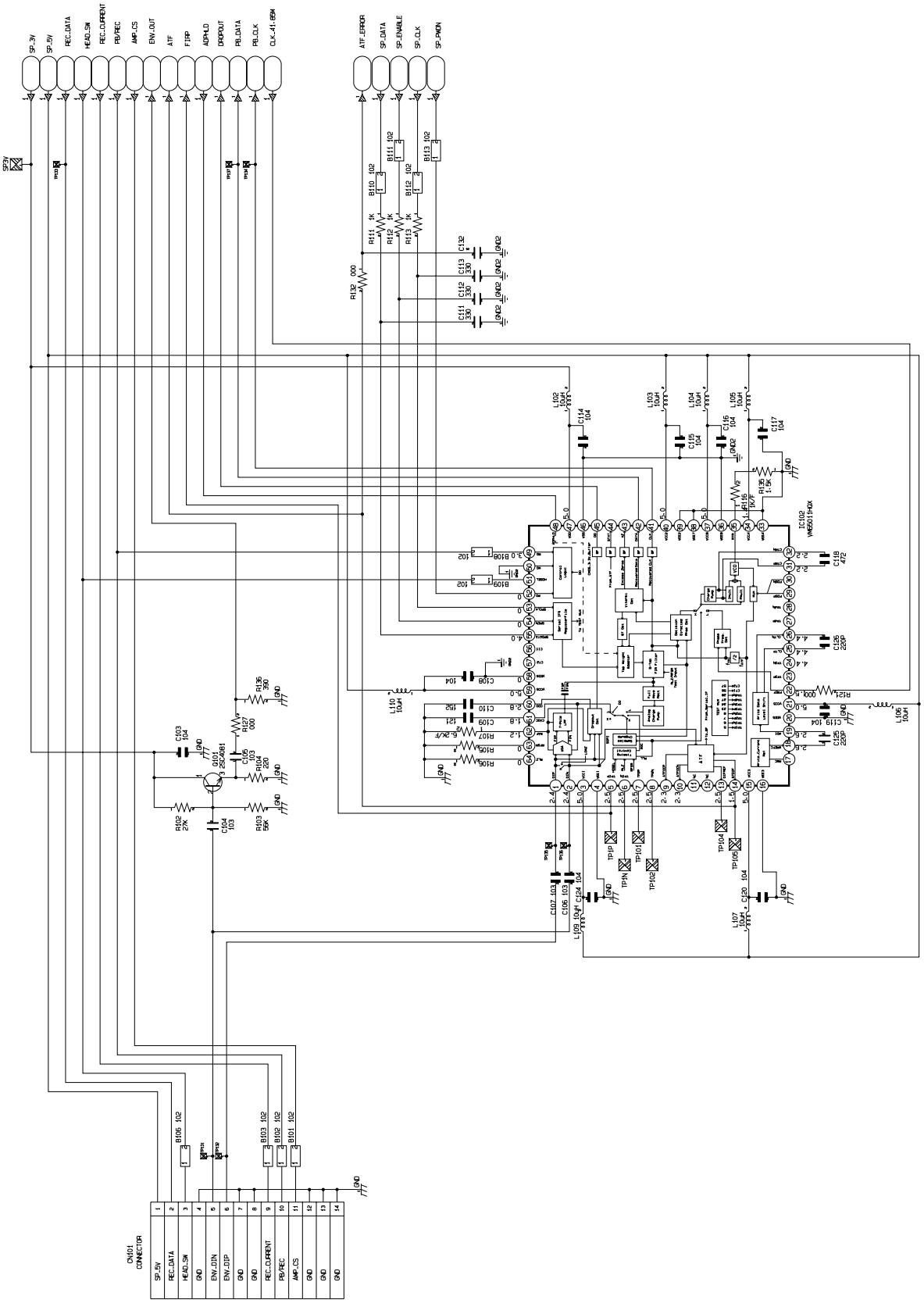
8-13 AMP


CN192
52745-1490
14 GND
13 GND
12 GND
11 AMP_CS
10 PB/REC
9 REC_CURRENT
8 GND
7 GND
6 ENV_DIP
5 ENV_DIN
4 GND
3 HEAD_SW
2 REC_DATA
1 SP_5V
B191 102
B192 102
B193 102
R192 000
R193 000
B194 102
CS
PB/REC
WC
DIP
DIN
HSW
WDI
IC191
VC370250
HSW
PB/REC
CS
DIN
DIP
WDI
WC
HSN
R/W
CS
RDY
RDX
N.C
WDI
Model Select
PB Buffer
REC Current S/W
PB Amp
Head_Select DIS
S0 S1 SWA Multiplexer
REC_Current Source
GND
HOX
HOY
H1X
H1Y
VCC
WC
R191 1.5K
C192 104
L191 10uH
C191 10/6.3
CN191
52746-0890
GND
GND
GND
CH2(F)
CH2(S)
CH1(F)
CH1(S)
GND

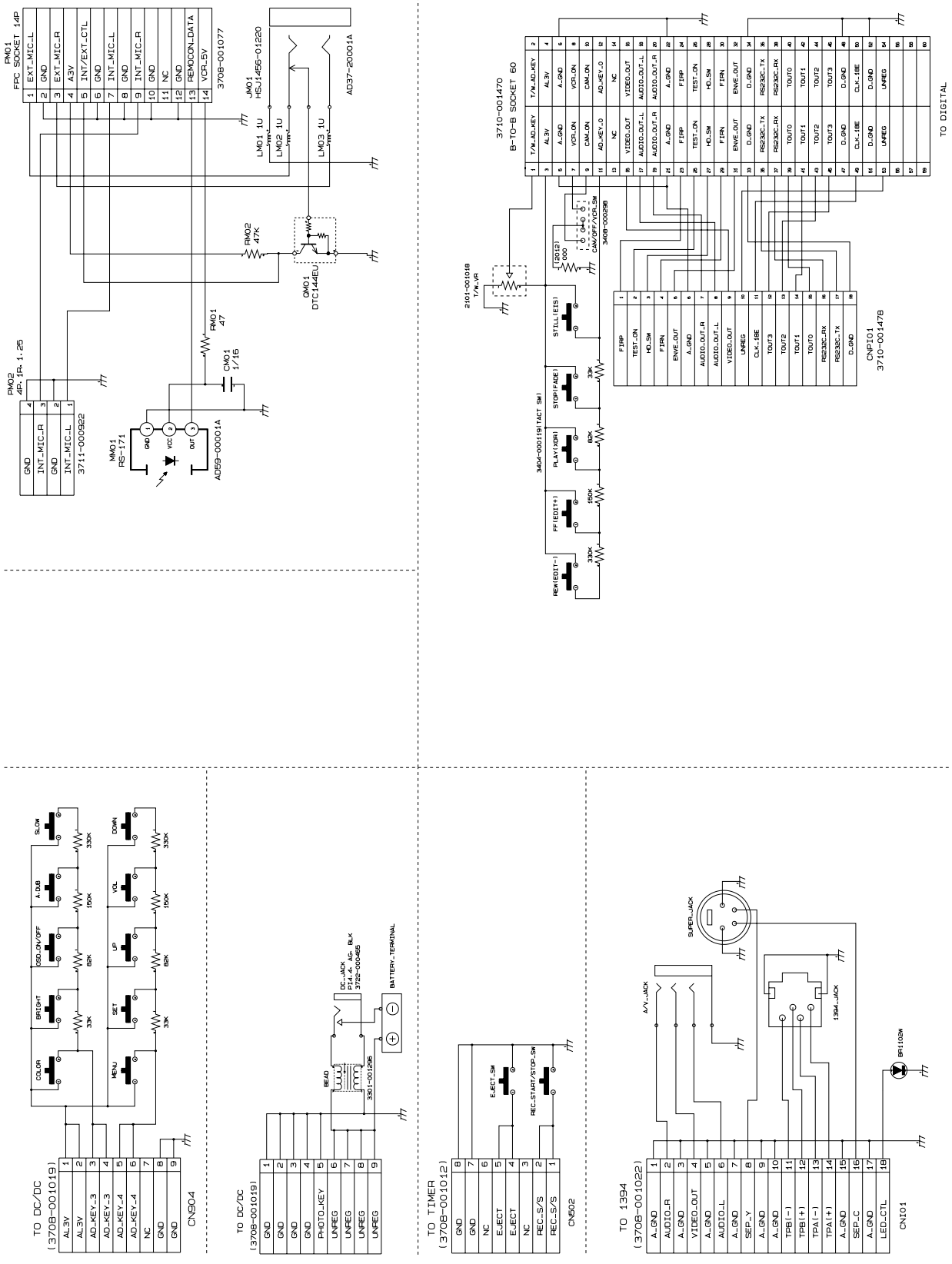
8-14 CVF


CNV02
5259S-0990
LCCOM
G OUT
R OUT
B OUT
BLK
HDK1
HDK2
HST
RST
CLR
EN
N. C
VDK2
VST
VSS
VDD(12V)
TO LCD
CNV03
5339S-0390
B/L 5V
B/L SYNC
GND
TO B/L
CNV01
5259S-1290
CVF 5V
SS GND
CVF Y
GND
GND
CVF C
3V
CVF-STB
I2C_SCL
I2C_SDA
LCD CTL
CVF 12V
FROM VCR

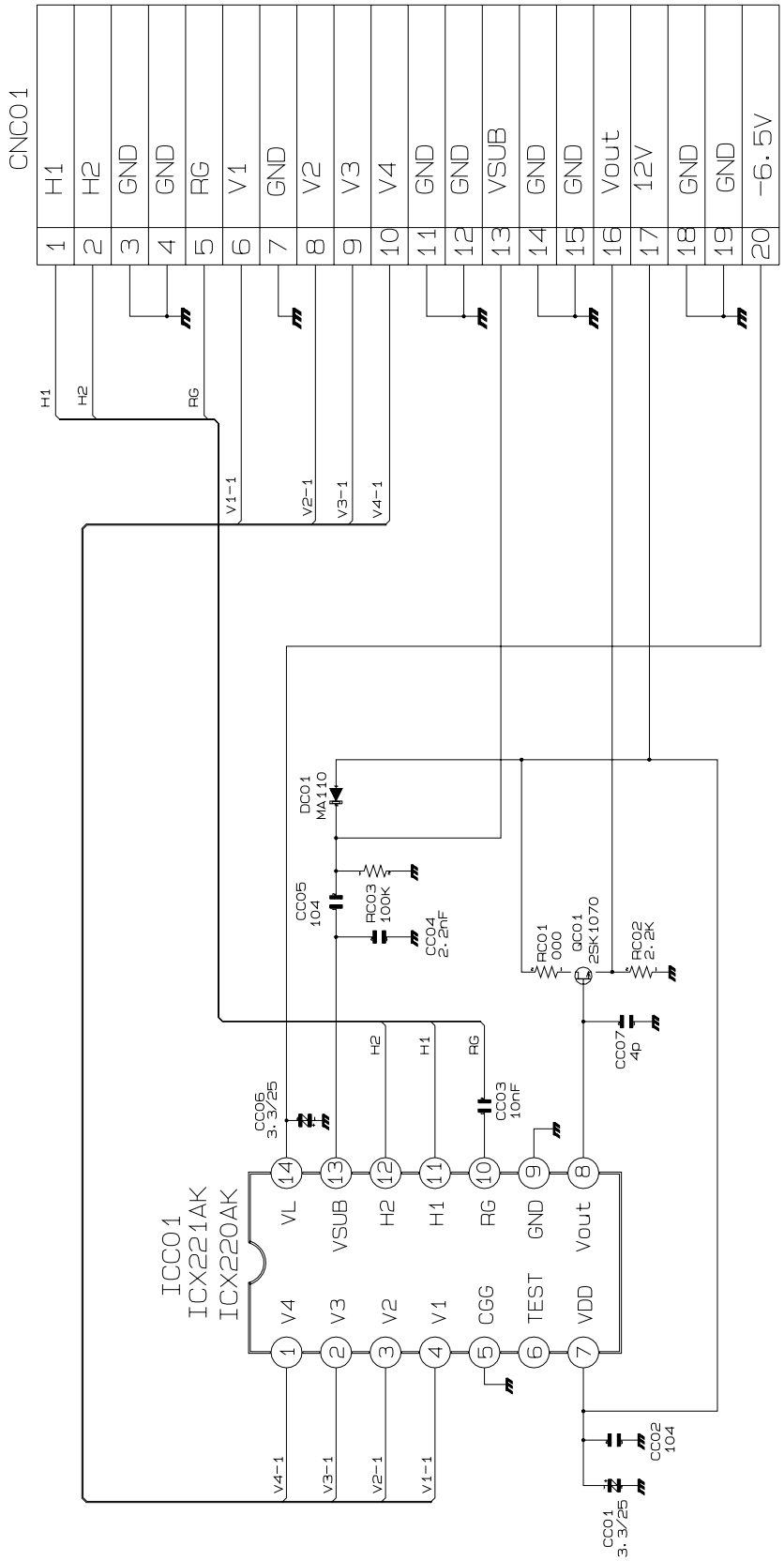
8-15 PRML


SP_3V
SP_5V
REC_DATA
HEAD_SW
REC_CURRENT
PB/REC
AMP_CS
ENV_OUT
ATF
FTRP
ADPH_LD
DRAPOUT
PB_DATA
PB_CLK
CLK_41.85M
ATF_ERROR
SP_DATA
SP_ENABLE
SP_CLK
SP_PMON
IC102
VM6501HGX
CN101
CONNECTOR
SP_5V
REC_DATA
HEAD_SW
GND
ENV_OUT
ENV_DIP
GND
GND
REC_CURRENT
PB/REC
AMP_CS
GND
GND
GND

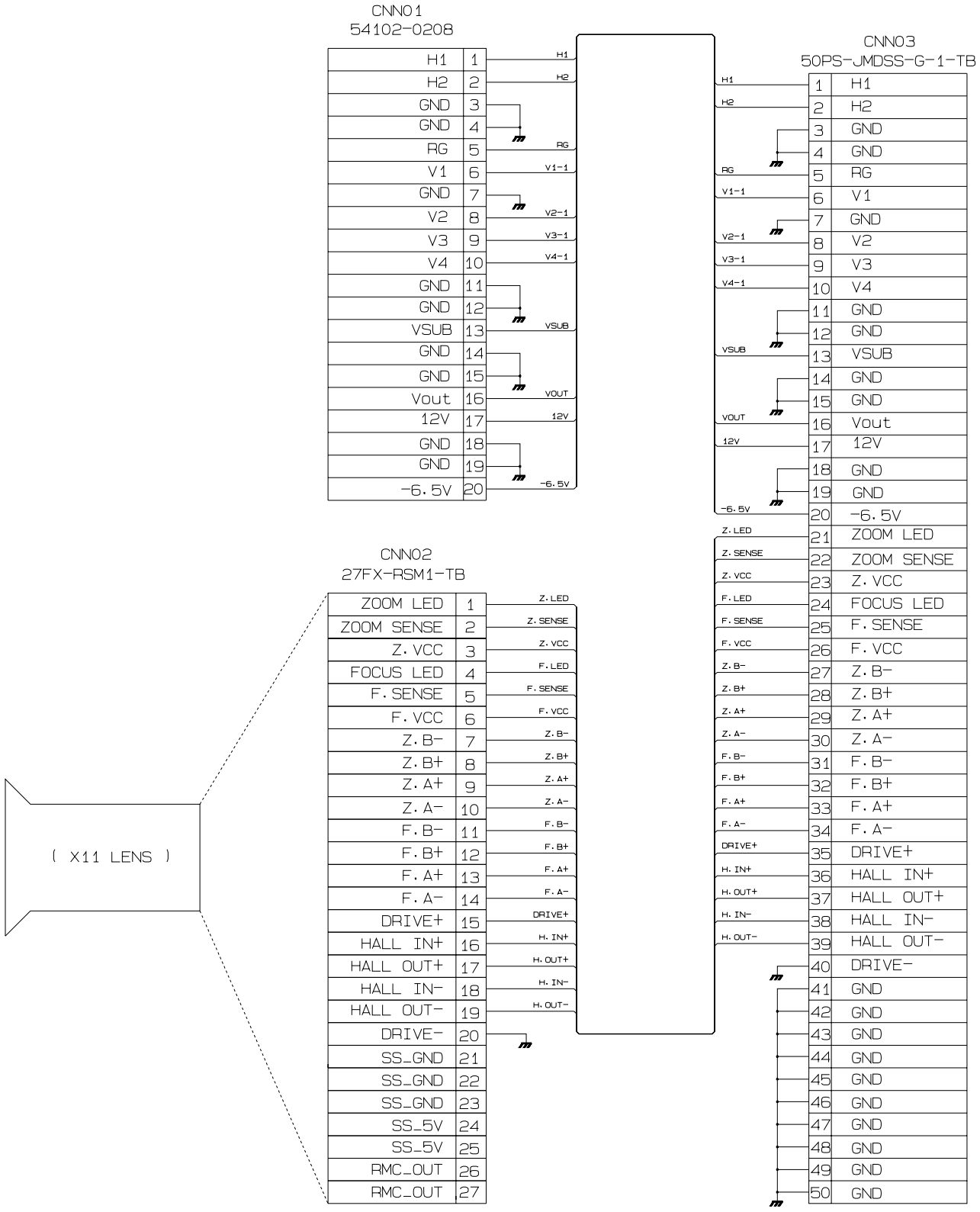
8-16 Sub


PM01
FPC SOCKET 14P
EXT_MIC_L
GND
EXT_MIC_R
A3V
INT/EXT_CTL
GND
INT_MIC_L
GND
INT_MIC_R
GND
NC
GND
REMOCON_DATA
VCR_5V
3708-001077
JM01
HSJ1456-01220
AD37-20001A
LM01 1U
LM02 1U
LM03 1U
RM02
47K
SW01
QM01
DTC144EU
RM01
47
CM01
1/16
PM02
4P-1R-1.25
GND
INT_MIC_R
GND
INT_MIC_L
3711-000922
MM01
PS-171
GND
VCC
OUT
AD59-00001A
3710-001470
B-TO-B SOCKET 60
TO DIGITAL
2101-00101B
1/W_VR
(2012)
000
3408-000298
CAM/OFF/VCR_SW
STILL(E1S)
STOP(FADE)
PLAY(XGR)
FF(EDIT+)
REW(EDIT-)
3404-000119(TACT SW)
82K
150K
330K
33K
CNP101
3710-001147B
FIRP
TEST_ON
HD_SW
FIRN
ENVE_OUT
A_GND
AUDIO_OUT_R
AUDIO_OUT_L
VIDEO_OUT
UNREG
CLK_1BE
TOUT3
TOUT2
TOUT1
TOUT0
RS232C_RX
RS232C_TX
D_GND
TO DC/DC
(3708-001019)
CN804
AL3V
AL3V
AD_KEY_3
AD_KEY_3
AD_KEY_4
AD_KEY_4
NC
GND
GND
COLOR
BRIGHT
OSD_ON/OFF
A.DUB
SLOW
MENU
SET
UP
VOL
DOWN
330K
150K
82K
33K
TO DC/DC
(3708-001019)
CN802
GND
GND
GND
GND
PHOTO_KEY
UNREG
UNREG
UNREG
UNREG
BEAD
3301-001295
DC_JACK
P14.4. AG. BLK
3722-000485
BATTERY_TERMINAL
TO TIMER
(3708-001012)
CN502
GND
GND
NC
EJECT
EJECT
NC
REC_S/S
REC_S/S
EJECT_SW
REC_START/STOP_SW
TO 1394
(3708-001022)
CNI01
A_GND
AUDIO_R
A_GND
VIDEO_OUT
A_GND
AUDIO_L
A_GND
SEP_Y
A_GND
A_GND
TPB(-)
TPB(+)
TPA(-)
TPA(+)
A_GND
SEP_C
A_GND
LED_CTL
A/V_JACK
SUPER_JACK
1394_JACK
BR110SW

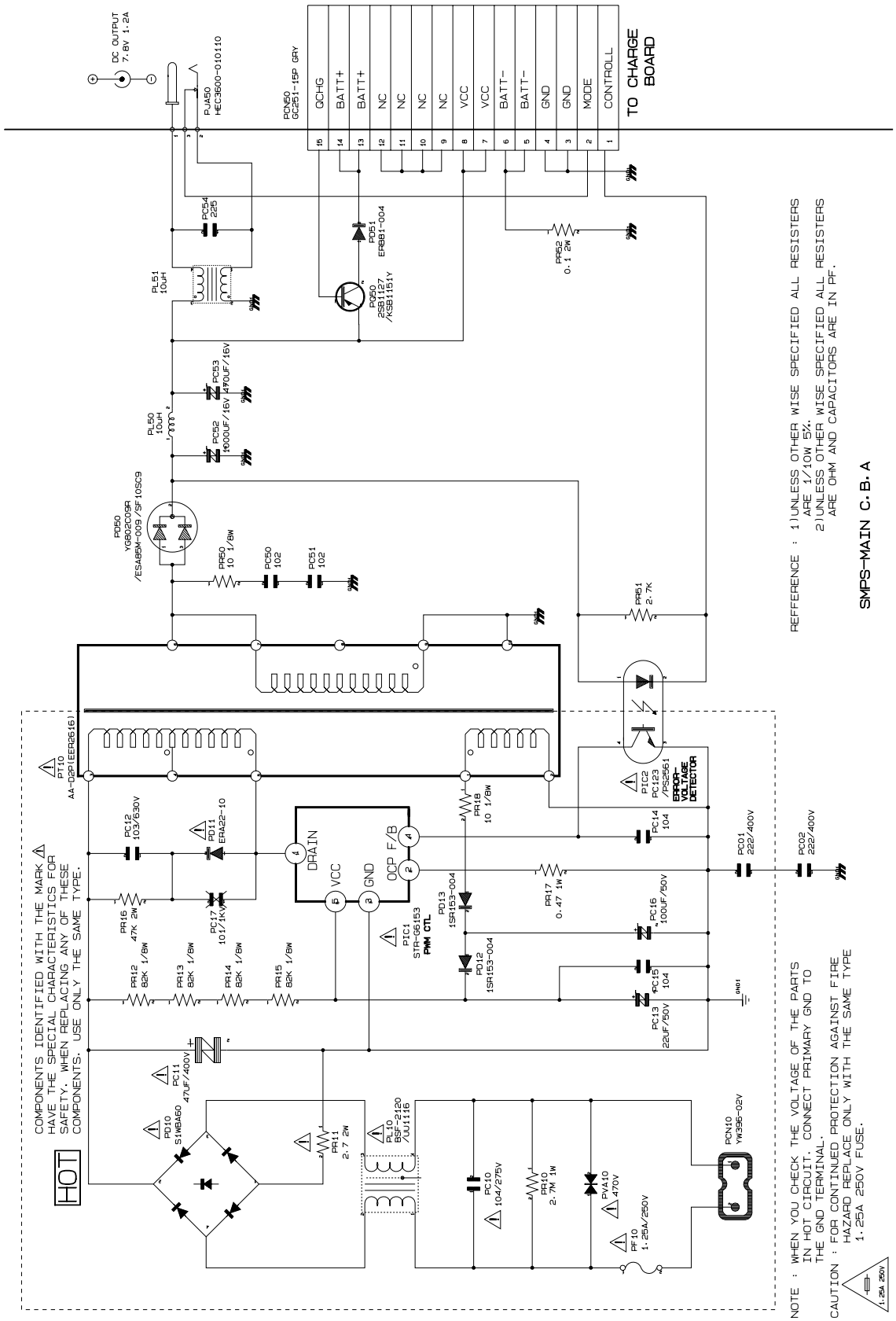
8-17 CCD


CNC01
1 H1
2 H2
3 GND
4 GND
5 RG
6 V1
7 GND
8 V2
9 V3
10 V4
11 GND
12 GND
13 VSUB
14 GND
15 GND
16 Vout
17 12V
18 GND
19 GND
20 -6.5V
DC01 MA110
CC05 104
RC03 100K
CC04 2.2nF
RC01 000
QC01 2SK1070
RC02 2.2K
CC07 4p
CC06 3.3/25
CC03 10nF
ICC01
ICX221AK
ICX220AK
VL
VSUB
H2
H1
RG
GND
Vout
V4
V3
V2
V1
CGG
TEST
VDD
CC02 104
CC01 3.3/25

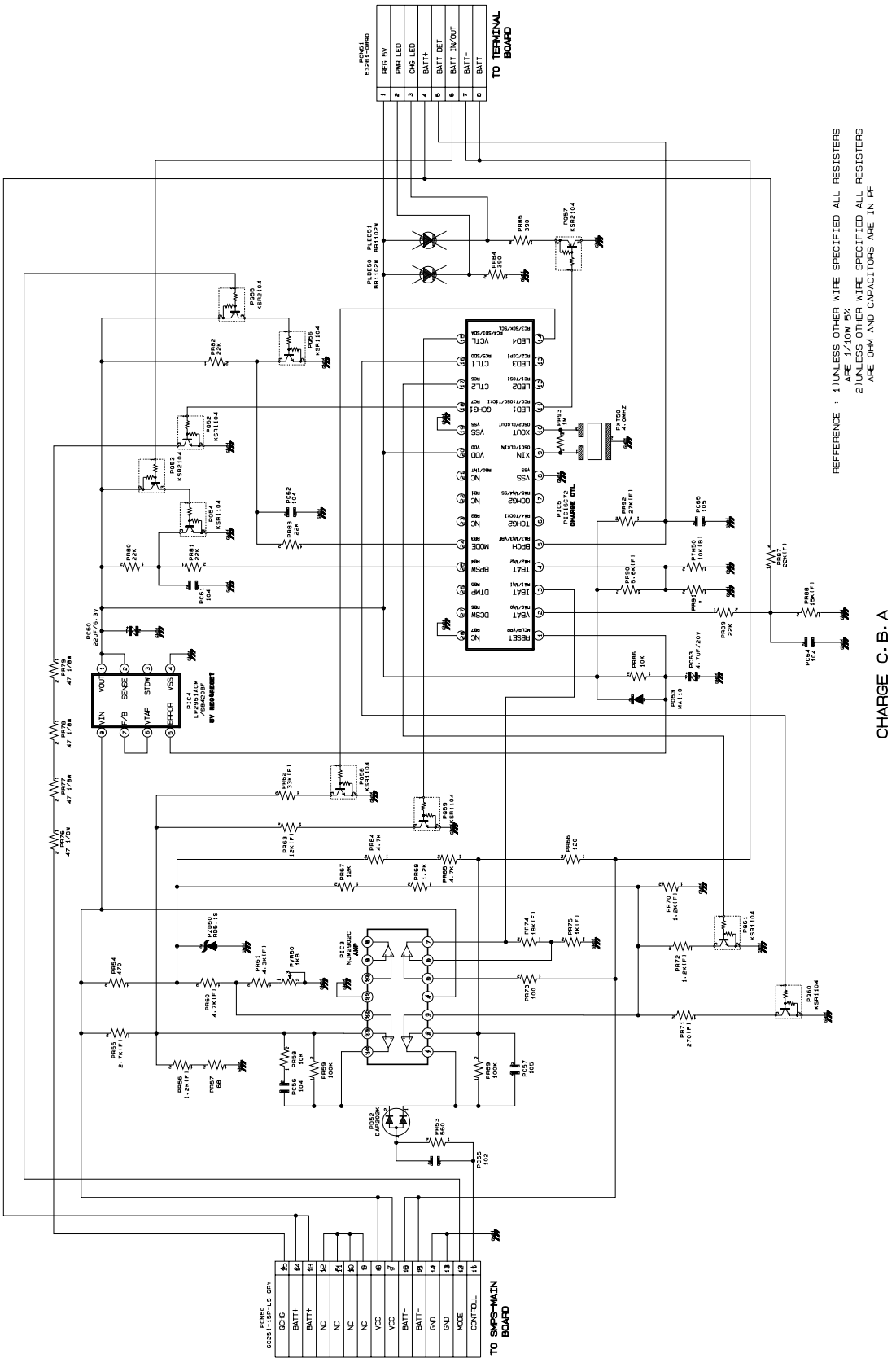
8-18 Connection



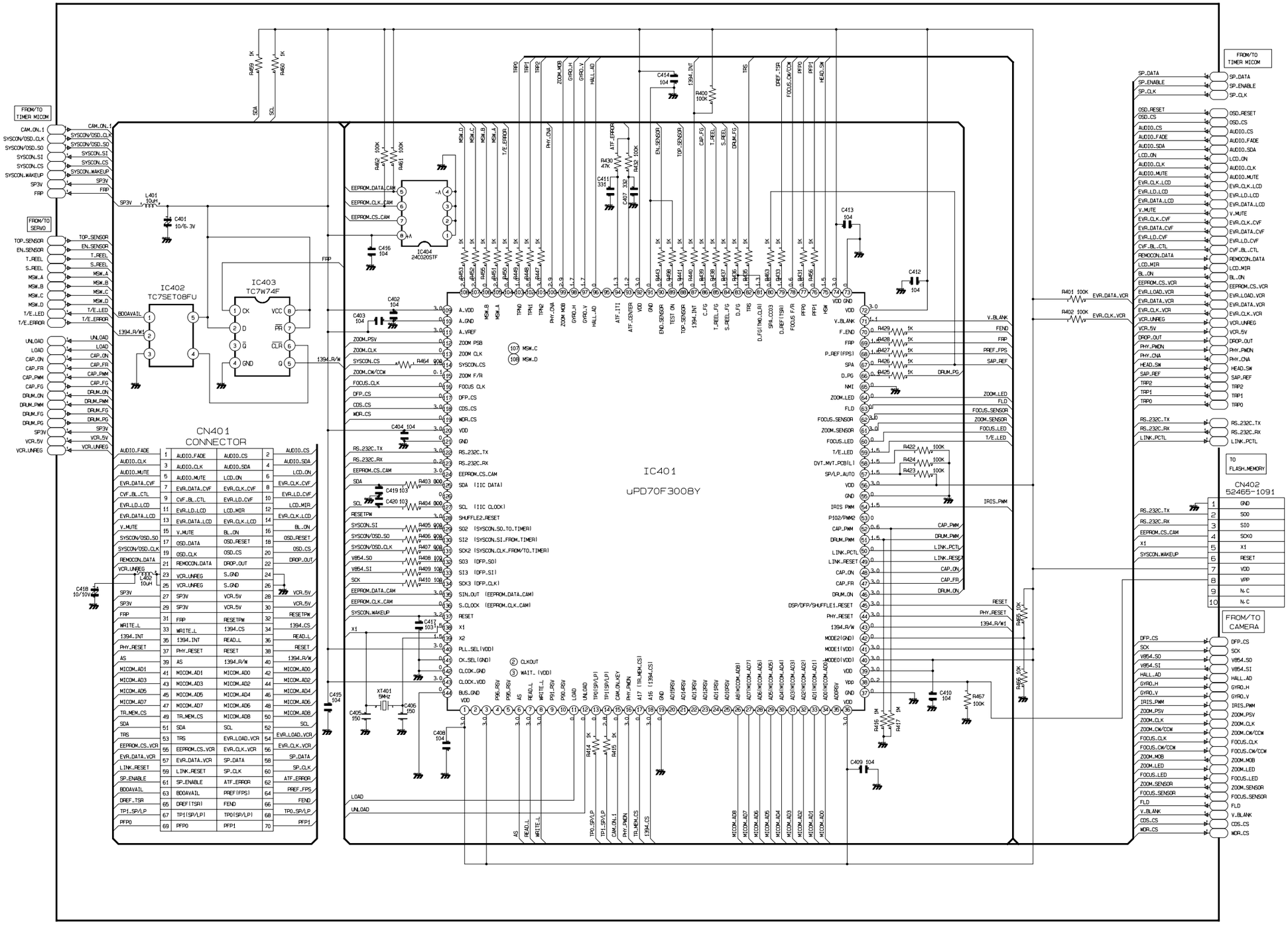
8-19 AC Power Adaptor



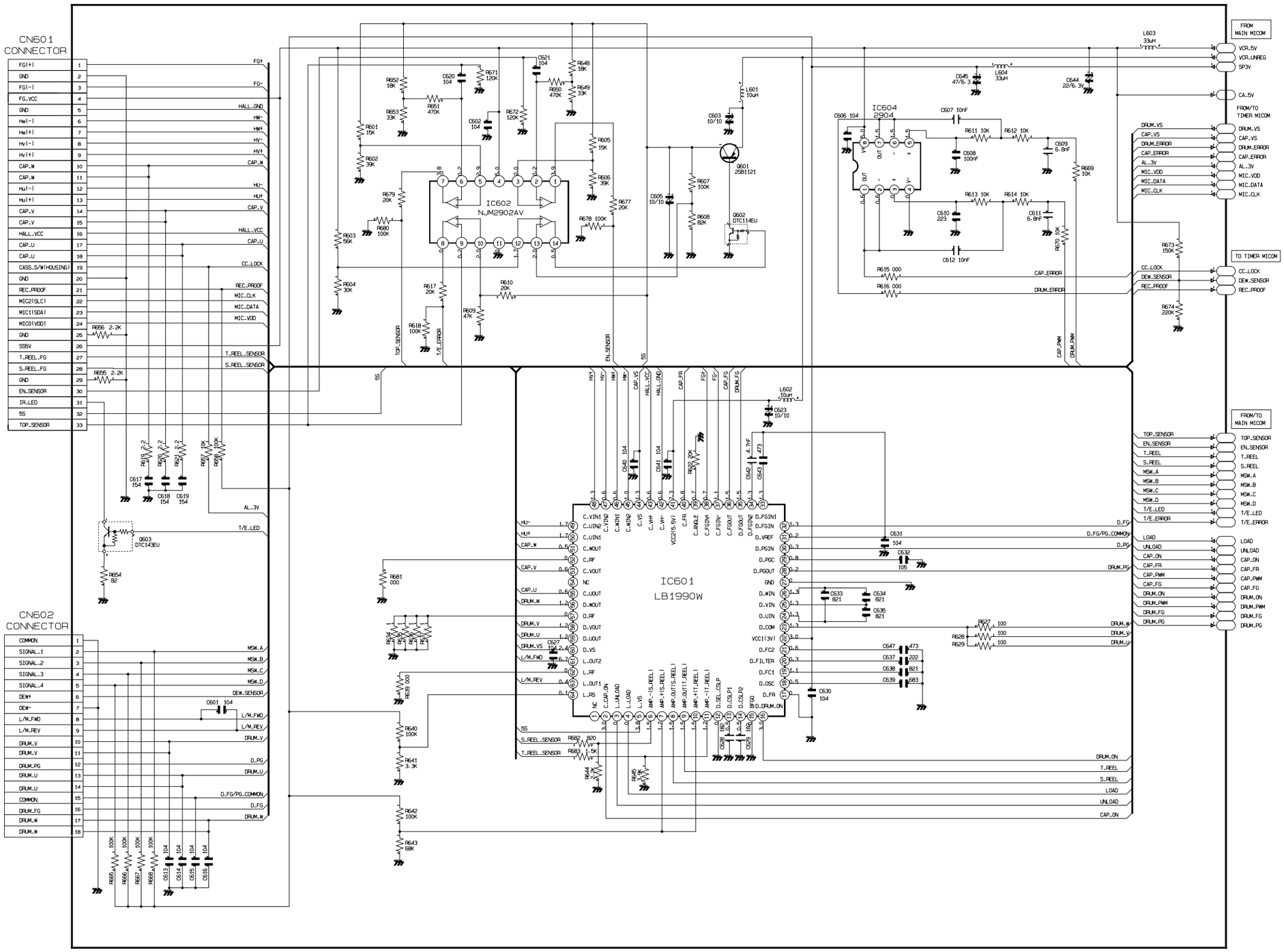
8-20 AC Power Adaptor Sub


TO TERMINAL BOARD
TO SMPS-MAIN BOARD
CHARGE C.B.A
REFFERENCE : 1)UNLESS OTHER WIRE SPECIFIED ALL RESISTERS ARE 1/10W 5%
2)UNLESS OTHER WIRE SPECIFIED ALL RESISTERS ARE OHM AND CAPACITORS ARE IN PF

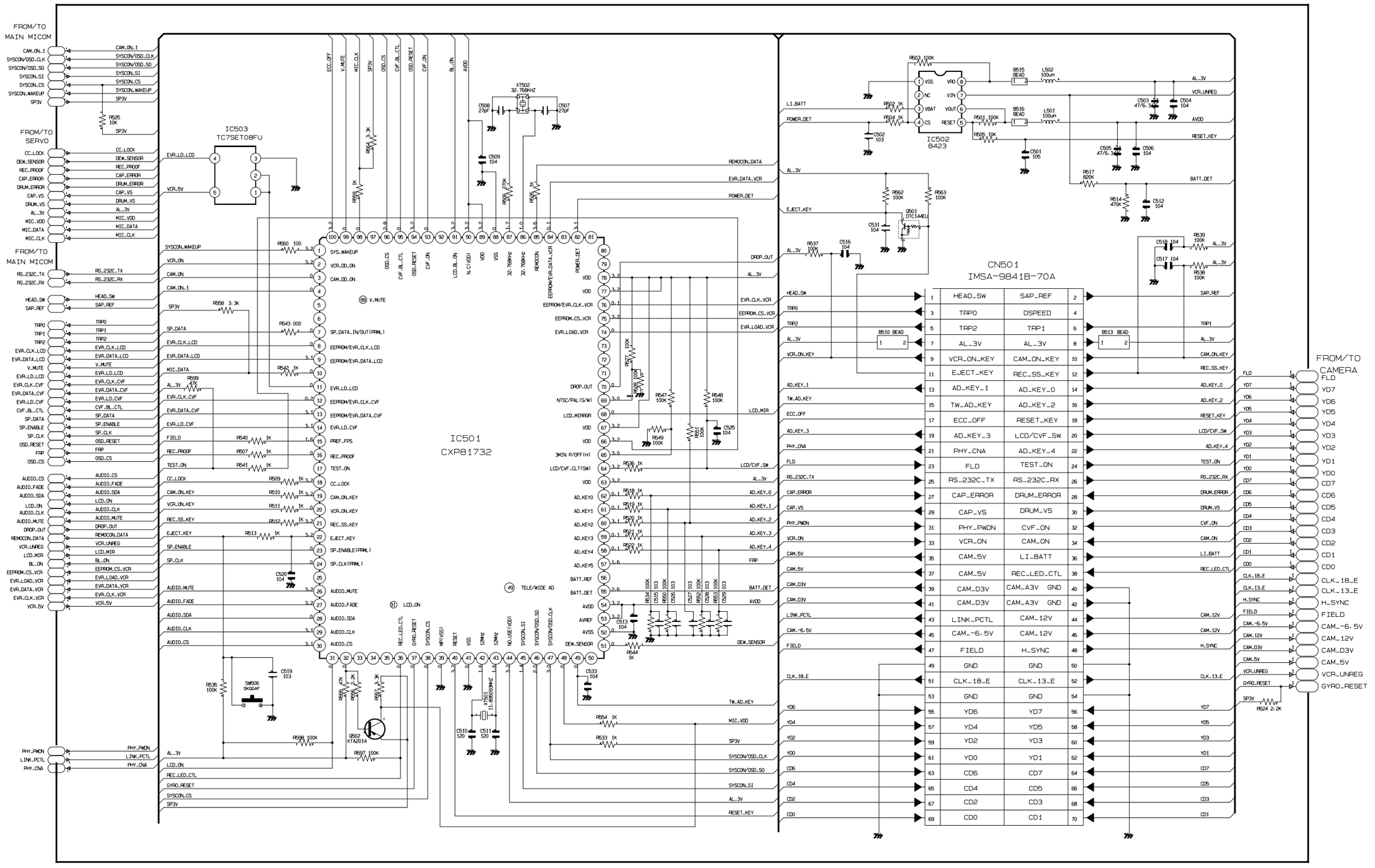
8-1 System Control



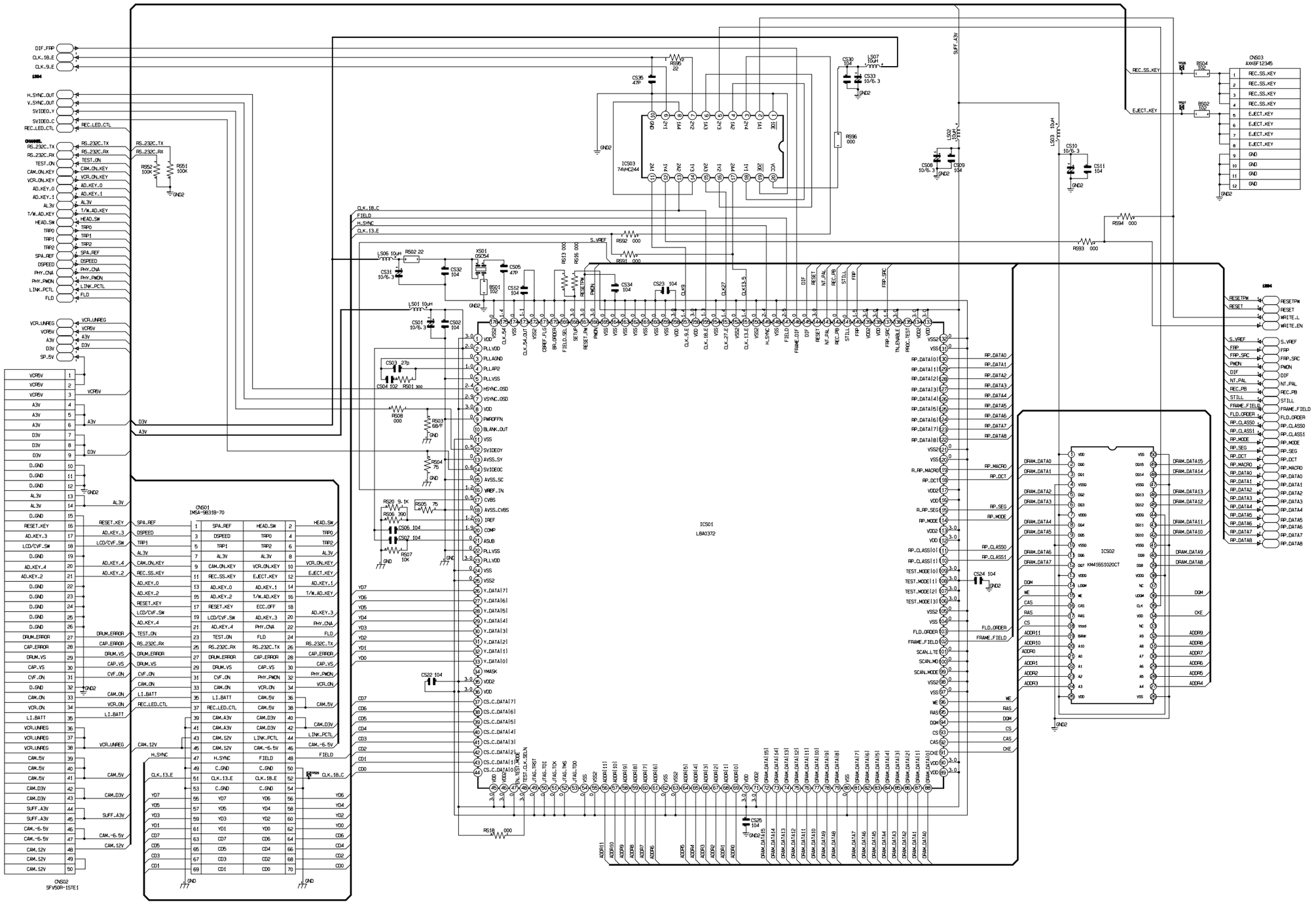
8-2 Servo


CN601
CONNECTOR
FG+
FG-
HALL_GND
HW-
HW+
HV-
HV+
CAP_W
HU-
HU+
CAP_V
CAP_U
HALL_VCC
CC_LOCK
REC_PROOF
MIC_CLK
MIC_DATA
MIC_VDD
T_REEL_SENSOR
S_REEL_SENSOR
AL_3V
T/E_LED
CN602
CONNECTOR
MSW_A
MSW_B
MSW_C
MSW_D
DEW_SENSOR
L/M_FWD
L/M_REV
DRUM_V
DRUM_U
D_FG
D_FG/PG_COMMON
DRUM_W
IC601
LB1990W
IC602
NJM2902AV
IC604
2904
Q501
2SB1121
Q502
DTC114EU
Q503
DTC143EU
FROM
MAIN MICOM
VCR_5V
VCR_UNREG
SP3V
CA_5V
FROM/TO
TIMER MICOM
DRUM_VS
CAP_VS
DRUM_ERROR
CAP_ERROR
AL_3V
MIC_VDD
MIC_DATA
MIC_CLK
TO TIMER MICOM
CC_LOCK
DEW_SENSOR
REC_PROOF
FROM/TO
MAIN MICOM
TOP_SENSOR
EN_SENSOR
T_REEL
S_REEL
MSW_A
MSW_B
MSW_C
MSW_D
T/E_LED
T/E_ERROR
LOAD
UNLOAD
CAP_ON
CAP_FR
CAP_PWM
CAP_FG
DRUM_ON
DRUM_PWM
DRUM_FG
DRUM_PG

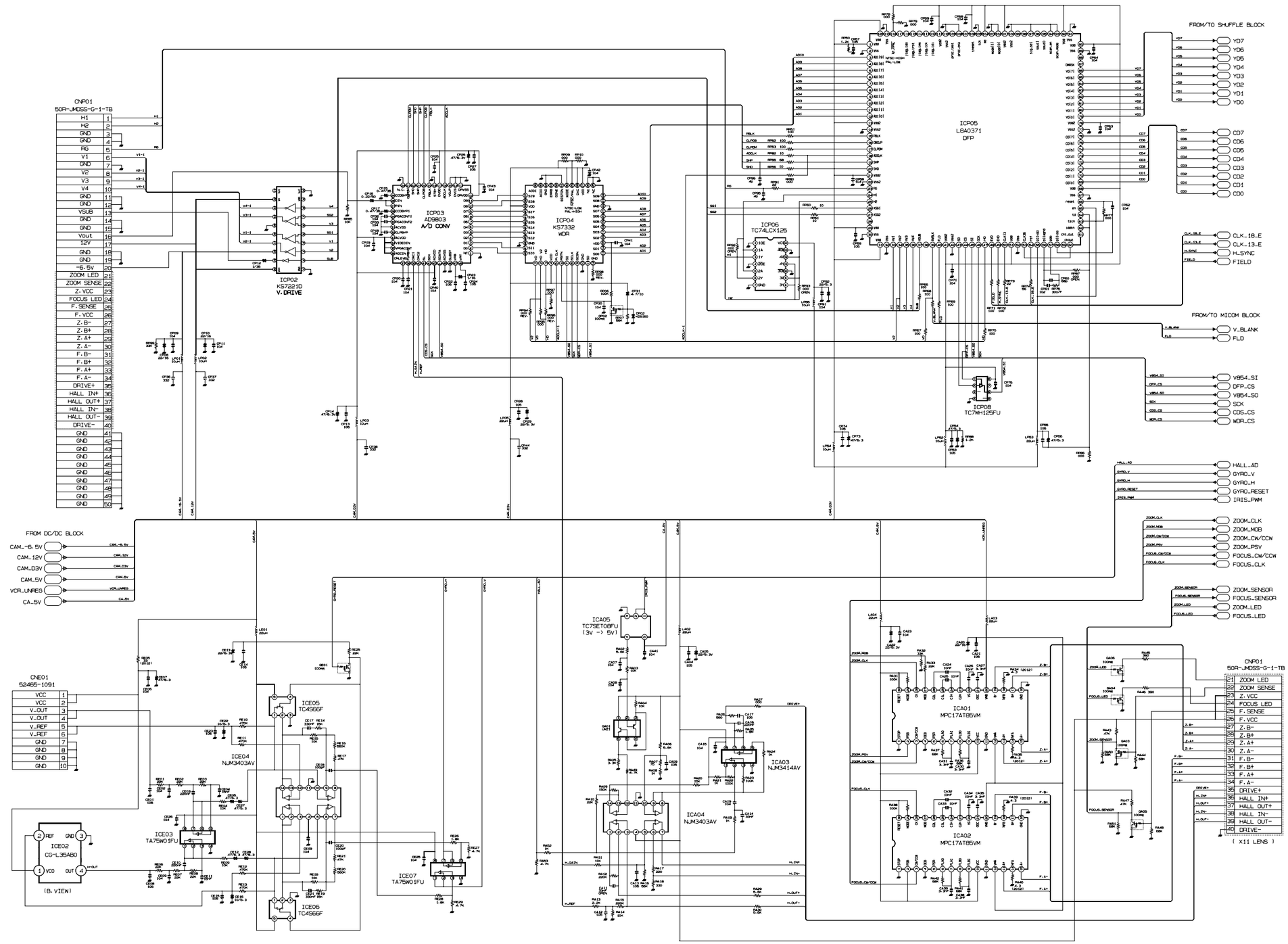
8-3 Timer


IC501
CXP81732
IC503
TC7SET08FU
IC502
8423
CN501
IMSA-9841B-70A
FROM/TO MAIN MICOM
FROM/TO SERVO
FROM/TO MAIN MICOM
FROM/TO CAMERA FLD
XT502 32.768KHZ
SW506 SKGGAF
Q502 KTA2014
Q501 DTC144EU
X501 11.2896MHZ
HEAD_SW
SAP_REF
TRP0
DSPEED
TRP1
TRP2
AL_3V
VCR_ON_KEY
CAM_ON_KEY
EJECT_KEY
REC_SS_KEY
AD_KEY_1
AD_KEY_0
TW_AD_KEY
AD_KEY_2
ECC_OFF
RESET_KEY
AD_KEY_3
LCD/CVF_SW
PHY_CNA
AD_KEY_4
FLD
TEST_ON
RS_232C_TX
RS_232C_RX
CAP_ERROR
DRUM_ERROR
CAP_VS
DRUM_VS
PHY_PWDN
CVF_ON
VCR_ON
CAM_ON
CAM_5V
LI_BATT
CAM_5V
REC_LED_CTL
CAM_D3V
CAM_A3V GND
CAM_D3V
CAM_A3V GND
LINK_PCTL
CAM_12V
CAM_-6.5V
CAM_12V
FIELD
H_SYNC
GND
GND
CLK_18_E
CLK_13_E
GND
GND
YD6
YD7
YD4
YD5
YD2
YD3
YD0
YD1
CD6
CD7
CD4
CD5
CD2
CD3
CD0
CD1
REMOCON_DATA
EVR_DATA_VCR
POWER_DET
DROP_OUT
EEPROM/EVR_CLK_VCR
EEPROM_CS_VCR
EVR_LOAD_VCR
NTSC/PAL(S/W)
LCD_MIRROR
3MIN P/OFF(H)
LCD/CVF_CLT(SW)
AD_KEY0
AD_KEY1
AD_KEY2
AD_KEY3
AD_KEY4
AD_KEY5
BATT_REF
BATT_DET
AVDD
AVREF
AVSS
DEW_SENSOR
TELE/WIDE AD
LCD_ON
TW_AD_KEY
MIC_VDD
SP3V
SYSCON/OSD_CLK
SYSCON/OSD_SO
SYSCON_SI
AL_3V
RESET_KEY
LI_BATT
POWER_DET
EJECT_KEY
HEAD_SW
TRP0
TRP2
AL_3V
VCR_ON_KEY
AD_KEY_1
TW_AD_KEY
ECC_OFF
AD_KEY_3
PHY_CNA
FLD
RS_232C_TX
CAP_ERROR
PHY_PWDN
VCR_ON
CAM_5V
CAM_5V
CAM_D3V
CAM_D3V
LINK_PCTL
CAM_-6.5V
FIELD
CLK_18_E
YD6
YD4
YD2
YD0
CD6
CD4
CD2
CD0
AVDD
RESET_KEY
BATT_DET
VCR_UNREG
AL_3V
AD_KEY_0
AD_KEY_2
RESET_KEY
AD_KEY_4
TEST_ON
RS_232C_RX
DRUM_ERROR
DRUM_VS
CVF_ON
CAM_ON
LI_BATT
REC_LED_CTL
CLK_18_E
CLK_13_E
H_SYNC
FIELD
CAM_-6.5V
CAM_12V
CAM_D3V
CAM_5V
VCR_UNREG
GYRO_RESET
SP3V
YD7
YD5
YD3
YD1
CD7
CD5
CD3
CD1
FLD
YD7
YD6
YD5
YD4
YD3
YD2
YD1
YD0
CD7
CD6
CD5
CD4
CD3
CD2
CD1
CD0
CLK_18_E
CLK_13_E
H_SYNC
FIELD
CAM_-6.5V
CAM_12V
CAM_D3V
CAM_5V
VCR_UNREG
GYRO_RESET

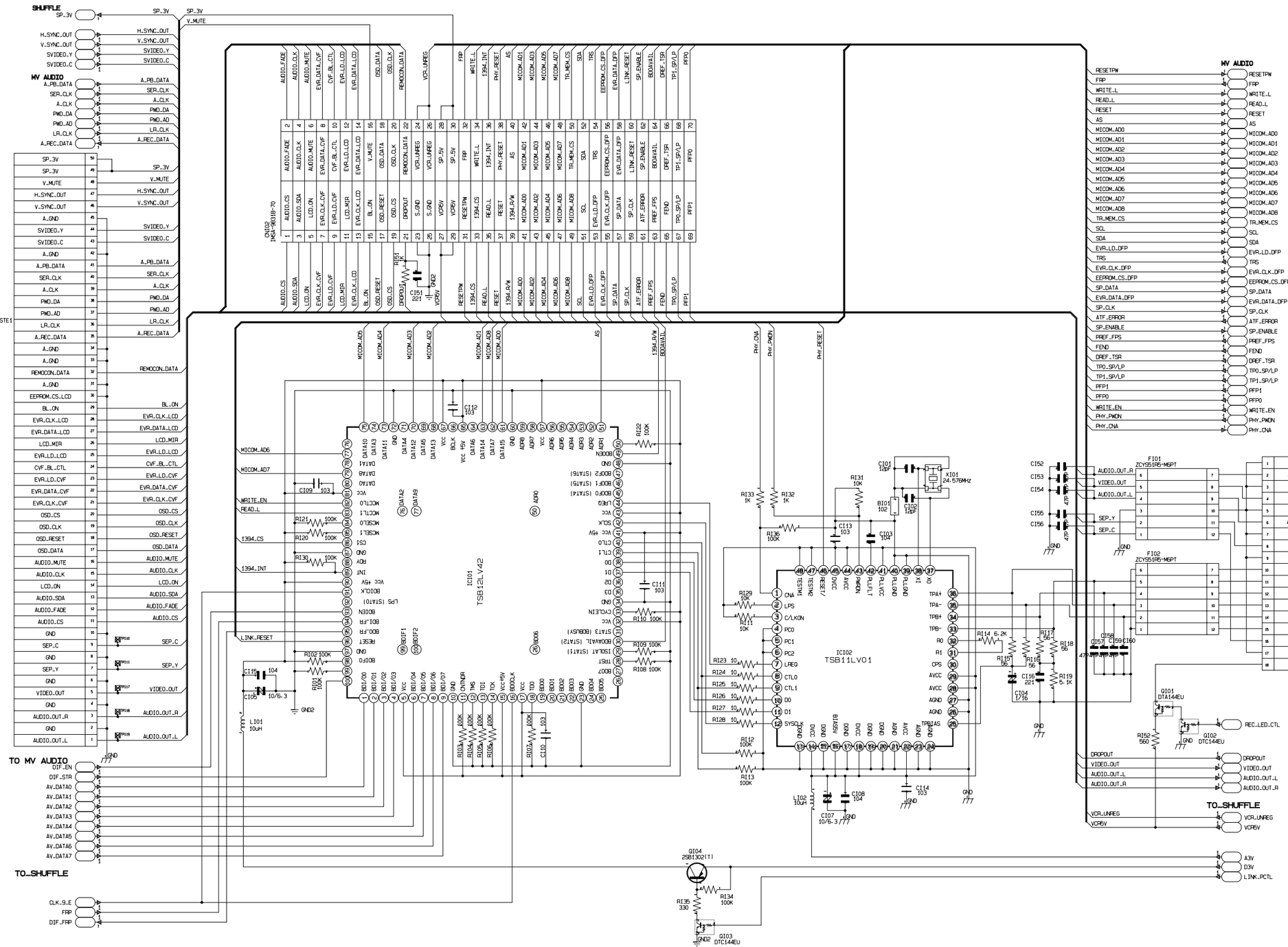
8-4 Shuffle


CN502
SFV50R-1STE1
CN501
IMSA-9831B-70
CN503
AWXGF12345
ICS01
LBA0372
ICS02
K4M16S1020CT
IC503
74VHC244
SUFF_A3V
S_VREF
RESETPW
RESET
WRITE_L
WRITE_EN
FRP
FRP_SRC
PWDN
DIF
NT_PAL
REC_PB
STILL
FRAME_FIELD
FLD_ORDER
RP_CLASS0
RP_CLASS1
RP_MODE
RP_SEG
RP_DCT
RP_MACRO
RP_DATA0
RP_DATA1
RP_DATA2
RP_DATA3
RP_DATA4
RP_DATA5
RP_DATA6
RP_DATA7
RP_DATA8
REC_SS_KEY
EJECT_KEY
GND2

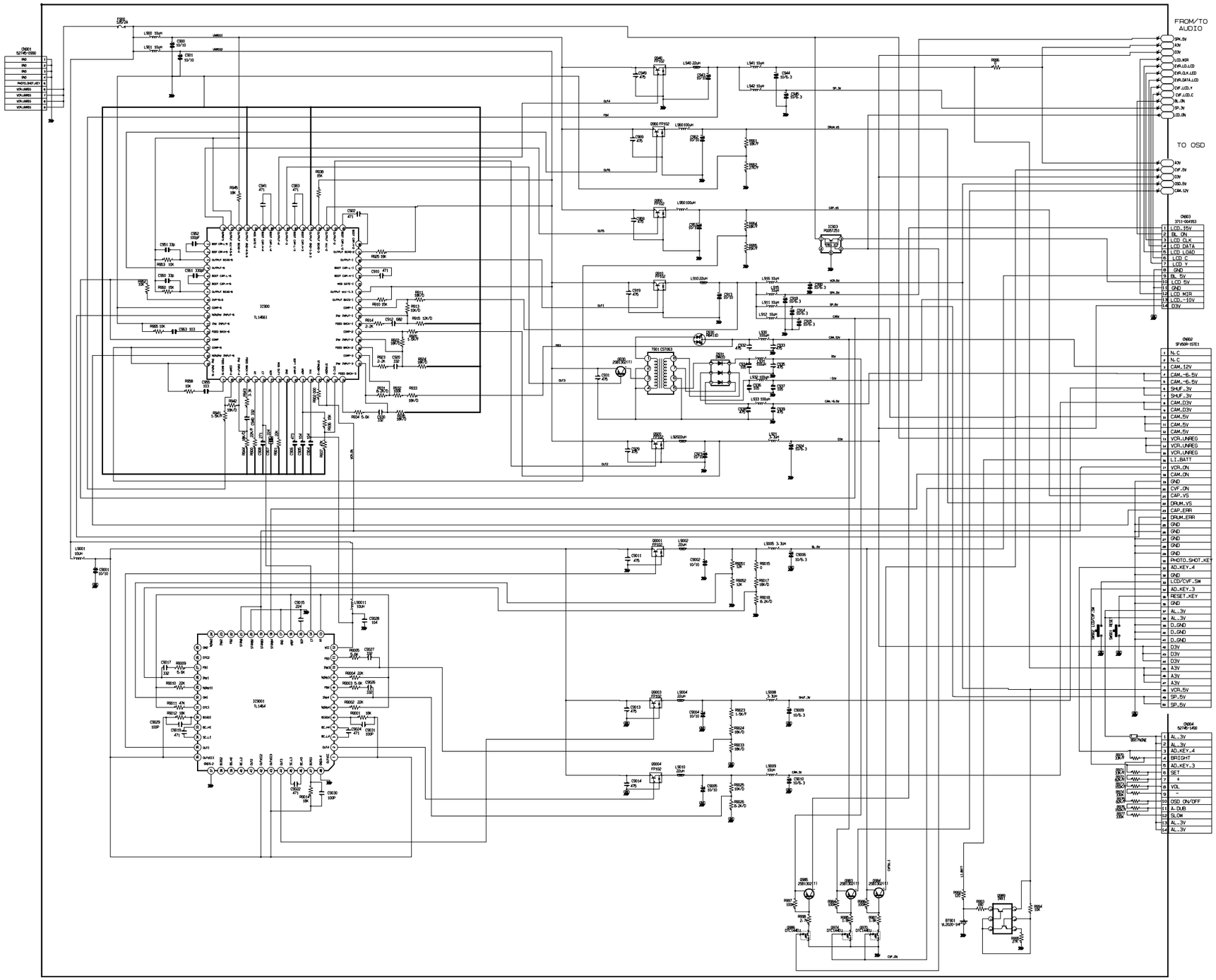
8-5 Camera


CNP01
50R-JMDSS-G-1-TB
H1
H2
GND
RG
V1
V2
V3
V4
VSUB
Vout
12V
-6.5V
ZOOM LED
ZOOM SENSE
Z.VCC
FOCUS LED
F.SENSE
F.VCC
Z.B-
Z.B+
Z.A+
Z.A-
F.B-
F.B+
F.A+
F.A-
DRIVE+
HALL IN+
HALL OUT+
HALL IN-
HALL OUT-
DRIVE-
ICP02
KS7221D
V.DRIVE
ICP03
AD9803
A/D CONV
ICP04
KS7332
WDR
ICP05
LBA0371
DFP
ICP06
TC74LCX125
ICP08
TC7WH125FU
FROM/TO SHUFFLE BLOCK
YD7
YD6
YD5
YD4
YD3
YD2
YD1
YD0
CD7
CD6
CD5
CD4
CD3
CD2
CD1
CD0
CLK_18_E
CLK_13_E
H_SYNC
FIELD
FROM/TO MICOM BLOCK
V_BLANK
FLD
V854_SI
DFP_CS
V854_SO
SCK
CDS_CS
WDR_CS
HALL_AD
GYRO_V
GYRO_H
GYRO_RESET
IRIS_PWM
ZOOM_CLK
ZOOM_MOB
ZOOM_CW/CCW
ZOOM_PSV
FOCUS_CW/CCW
FOCUS_CLK
ZOOM_SENSOR
FOCUS_SENSOR
ZOOM_LED
FOCUS_LED
FROM DC/DC BLOCK
CAM_-6.5V
CAM_12V
CAM_D3V
CAM_5V
VCR_UNREG
CA_5V
CNE01
52465-1091
VCC
V_OUT
V_REF
GND
ICE01
ICE02
CG-L35AB0
REF
VCC
OUT
(B.VIEW)
ICE03
TA75W01FU
ICE04
NJM3403AV
ICE05
TC4S66F
ICE06
TC4S66F
ICE07
TA75W01FU
ICA01
MPC17AT85VM
ICA02
MPC17AT85VM
ICA03
NJM3414AV
ICA04
NJM3403AV
ICA05
TC7SET08FU
(3V -> 5V)
CNP01
50R-JMDSS-G-1-TB
ZOOM LED
ZOOM SENSE
Z.VCC
FOCUS LED
F.SENSE
F.VCC
Z.B-
Z.B+
Z.A+
Z.A-
F.B-
F.B+
F.A+
F.A-
DRIVE+
HALL IN+
HALL OUT+
HALL IN-
HALL OUT-
DRIVE-
(X11 LENS)

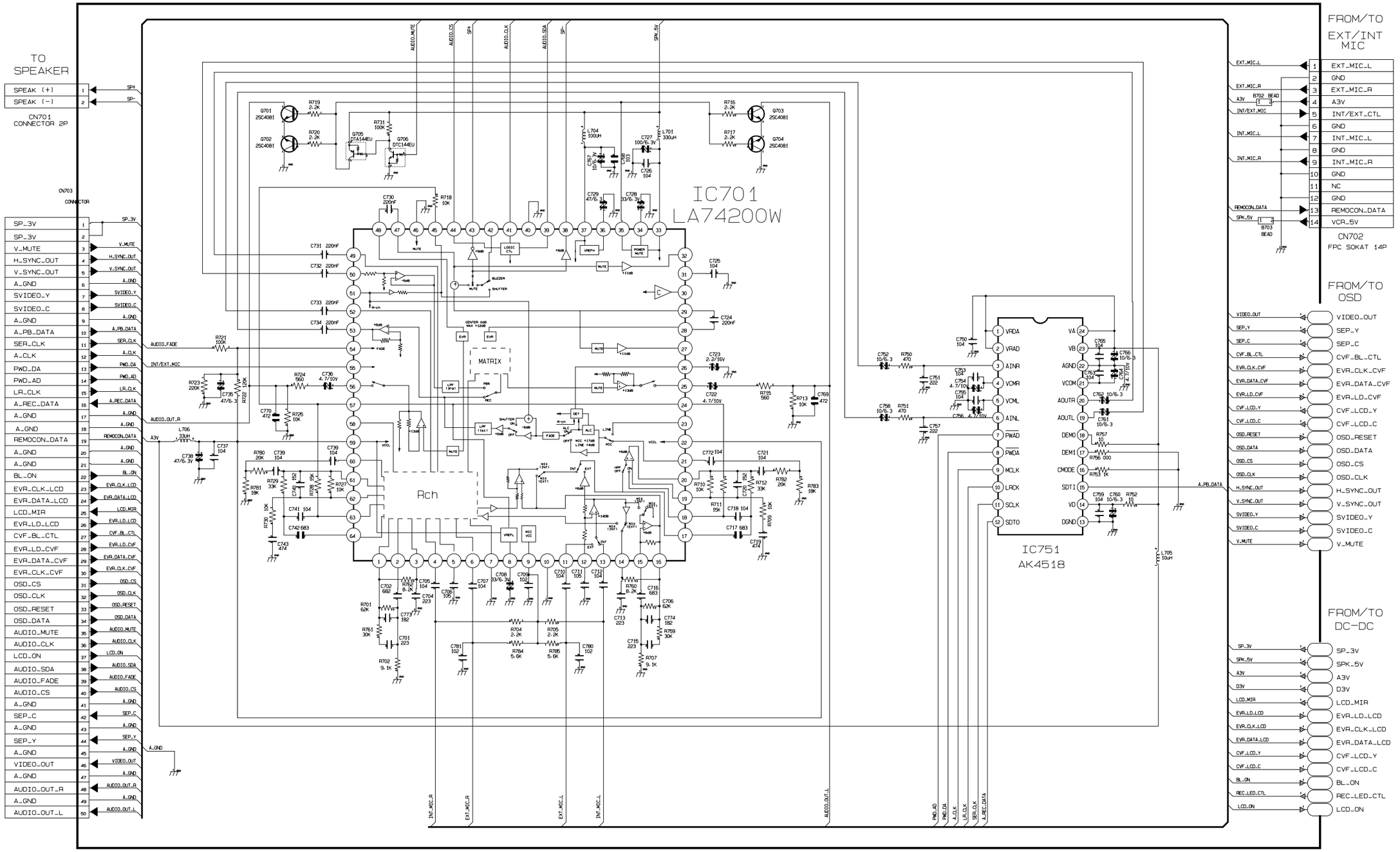
8-6 IEEE 1394


SHUFFLE
MV AUDIO
TO MV AUDIO
TO_SHUFFLE
CN102
CN103
CN101
IC101
TSB12LV42
IC102
TSB11LV01
FI01
FI02
XI01
24.576MHz
QI01
QI02
QI03
QI04

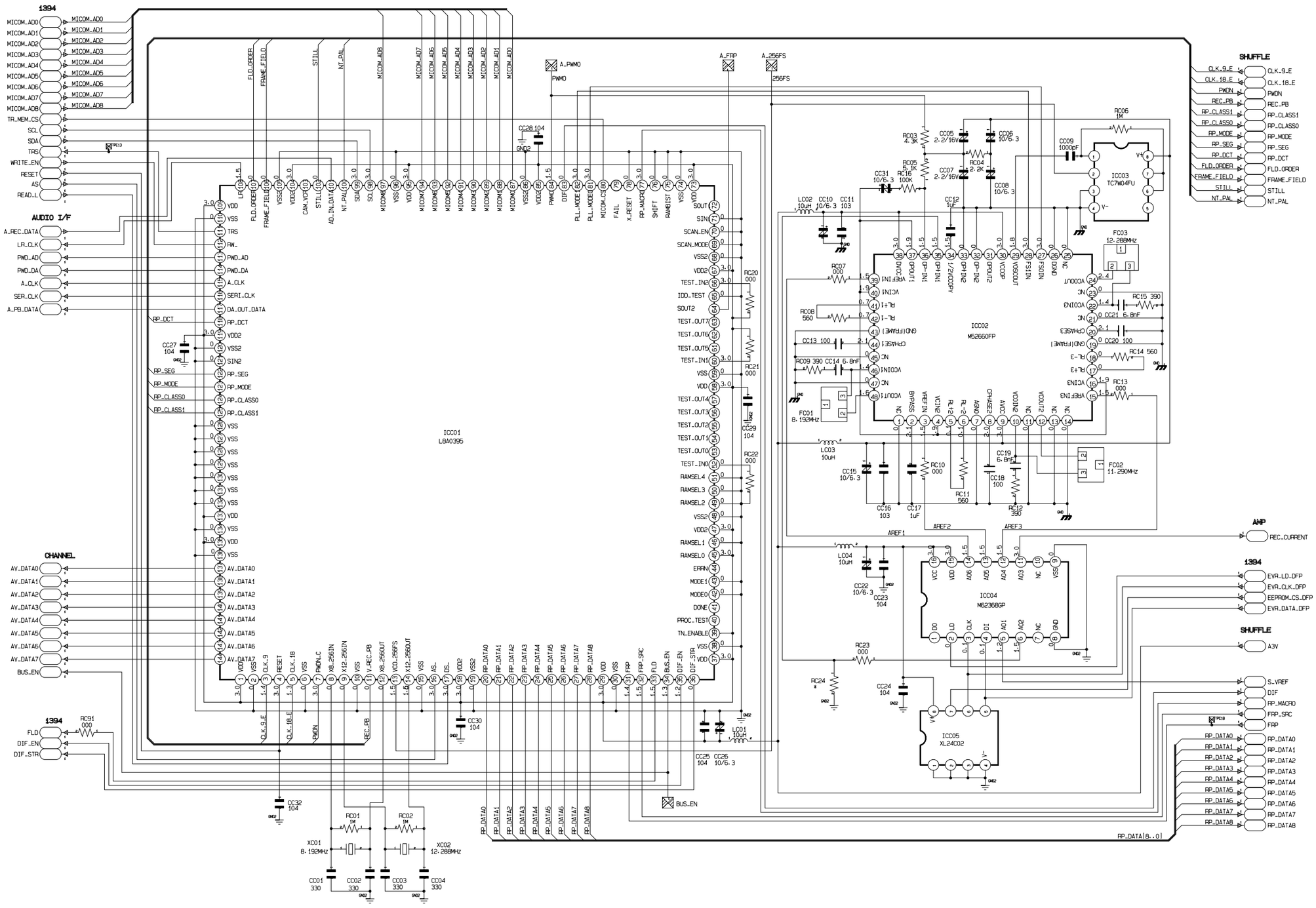
8-7 DC/DC Converter



8-8 Audio

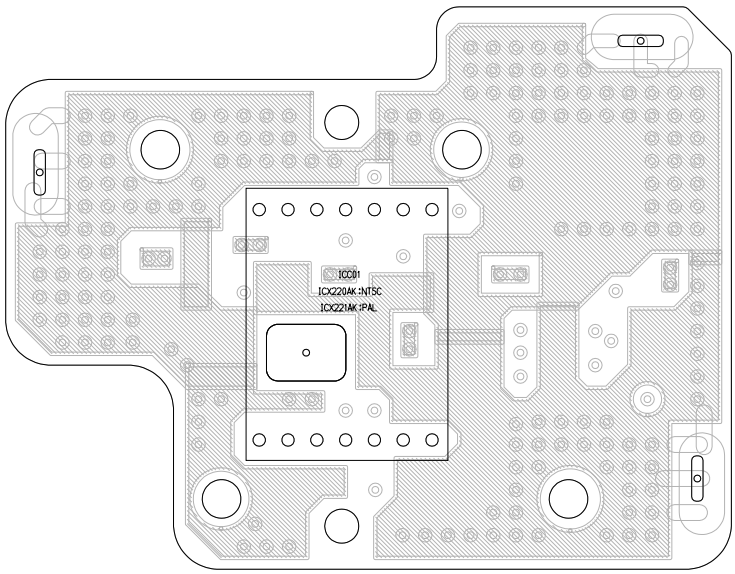

TO SPEAKER
SPEAK (+)
SPEAK (-)
CN701 CONNECTOR 2P
CN703 CONNECTOR
SP_3V
V_MUTE
H_SYNC_OUT
V_SYNC_OUT
A_GND
SVIDEO_Y
SVIDEO_C
A_PB_DATA
SER_CLK
A_CLK
PWD_DA
PWD_AD
LR_CLK
A_REC_DATA
REMOCON_DATA
BL_ON
EVR_CLK_LCD
EVR_DATA_LCD
LCD_MIR
EVR_LD_LCD
CVF_BL_CTL
EVR_LD_CVF
EVR_DATA_CVF
EVR_CLK_CVF
OSD_CS
OSD_CLK
OSD_RESET
OSD_DATA
AUDIO_MUTE
AUDIO_CLK
LCD_ON
AUDIO_SDA
AUDIO_FADE
AUDIO_CS
SEP_C
SEP_Y
VIDEO_OUT
AUDIO_OUT_R
AUDIO_OUT_L
IC701
LA74200W
Rch
MATRIX
IC751
AK4518
FROM/TO EXT/INT MIC
EXT_MIC_L
EXT_MIC_R
INT/EXT_MIC
INT_MIC_L
INT_MIC_R
REMOCON_DATA
SPK_5V
VCR_5V
CN702
FPC SOKAT 14P
FROM/TO OSD
FROM/TO DC-DC
A3V
D3V
LCD_MIR
H_SYNC_OUT
V_SYNC_OUT
INT_MIC_R
EXT_MIC_R
EXT_MIC_L
INT_MIC_L
AUDIO_OUT_L
PWD_AD
PWD_DA
A_CLK
LR_CLK
SER_CLK
A_REC_DATA

8-9 MV Audio

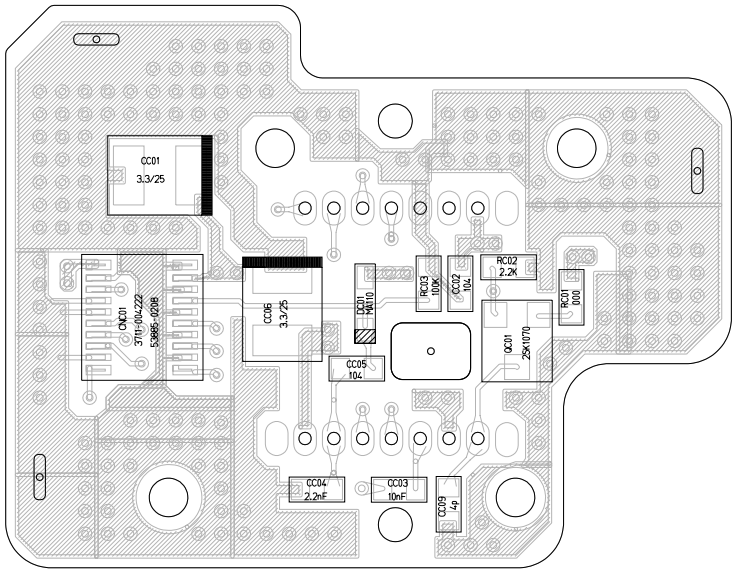

1394
AUDIO I/F
CHANNEL
SHUFFLE
AMP
ICC01
L8A0395
ICC02
M52660FP
ICC03
TC7W04FU
ICC04
M52368GP
ICC05
XL24C02
A_FRP
A_256FS
A_PWMO
BUS_EN
FC01
8.192MHz
FC02
11.290MHz
FC03
12.288MHz
XC01
8.192MHz
XC02
12.288MHz
RP_DATA[8..0]

7-1. CCD PCB

Component Side

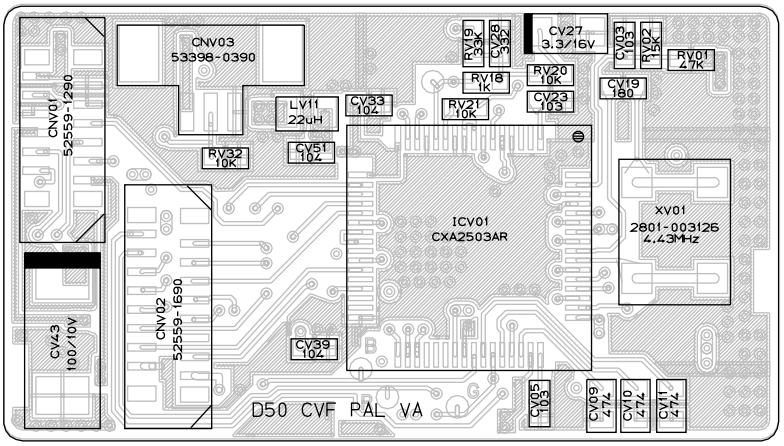


Conductor Side

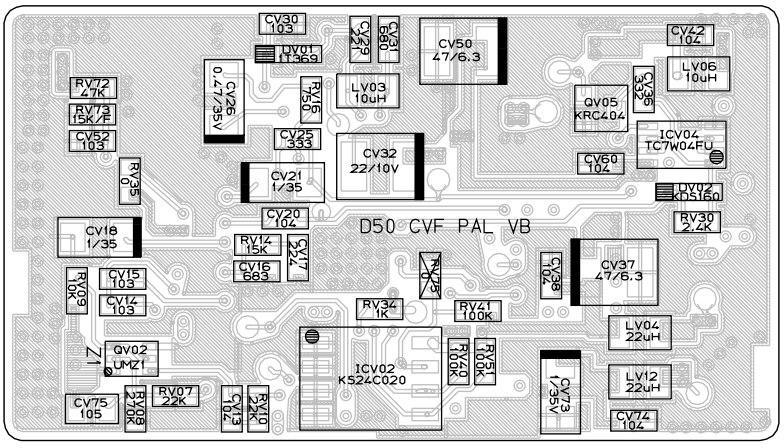


7-2. CVF PCB

Component Side

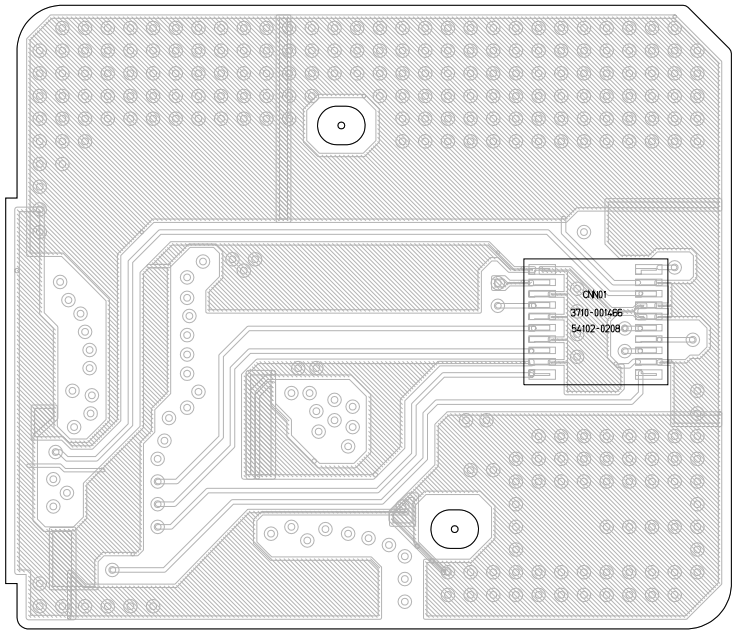


Conductor Side

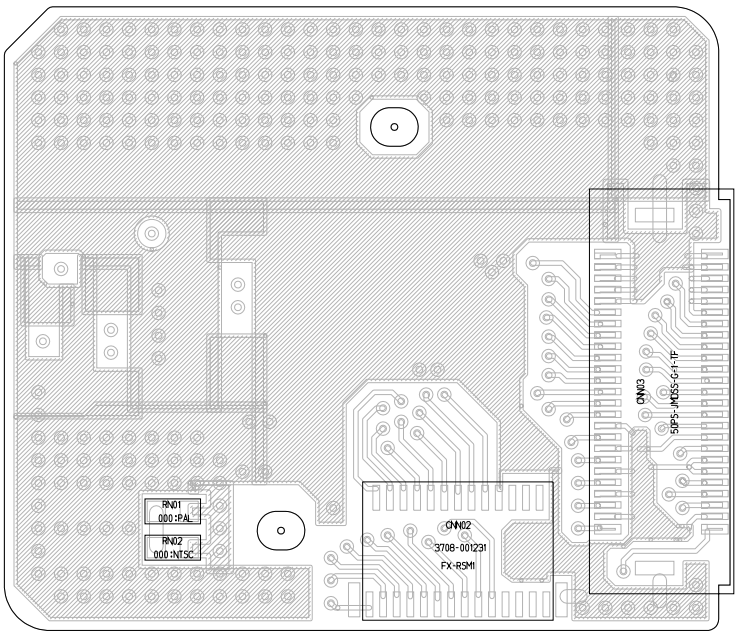


7-3. Connection PCB

Component Side

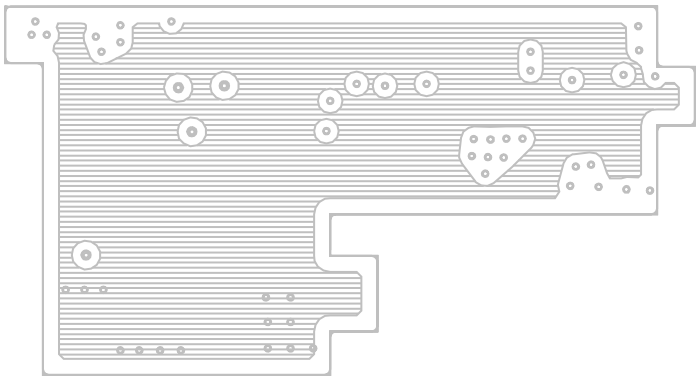


Conductor Side

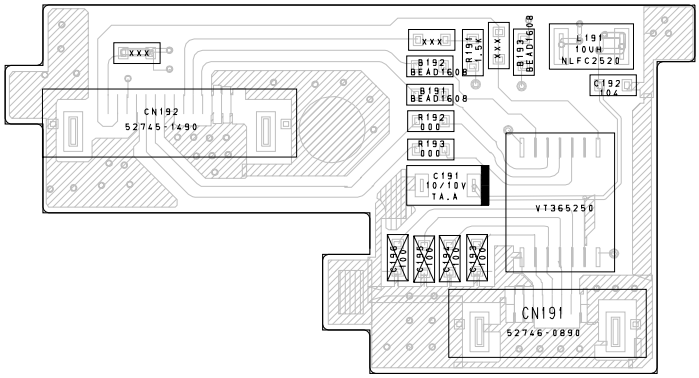


7-4. Pre-Amp PCB

Component Side

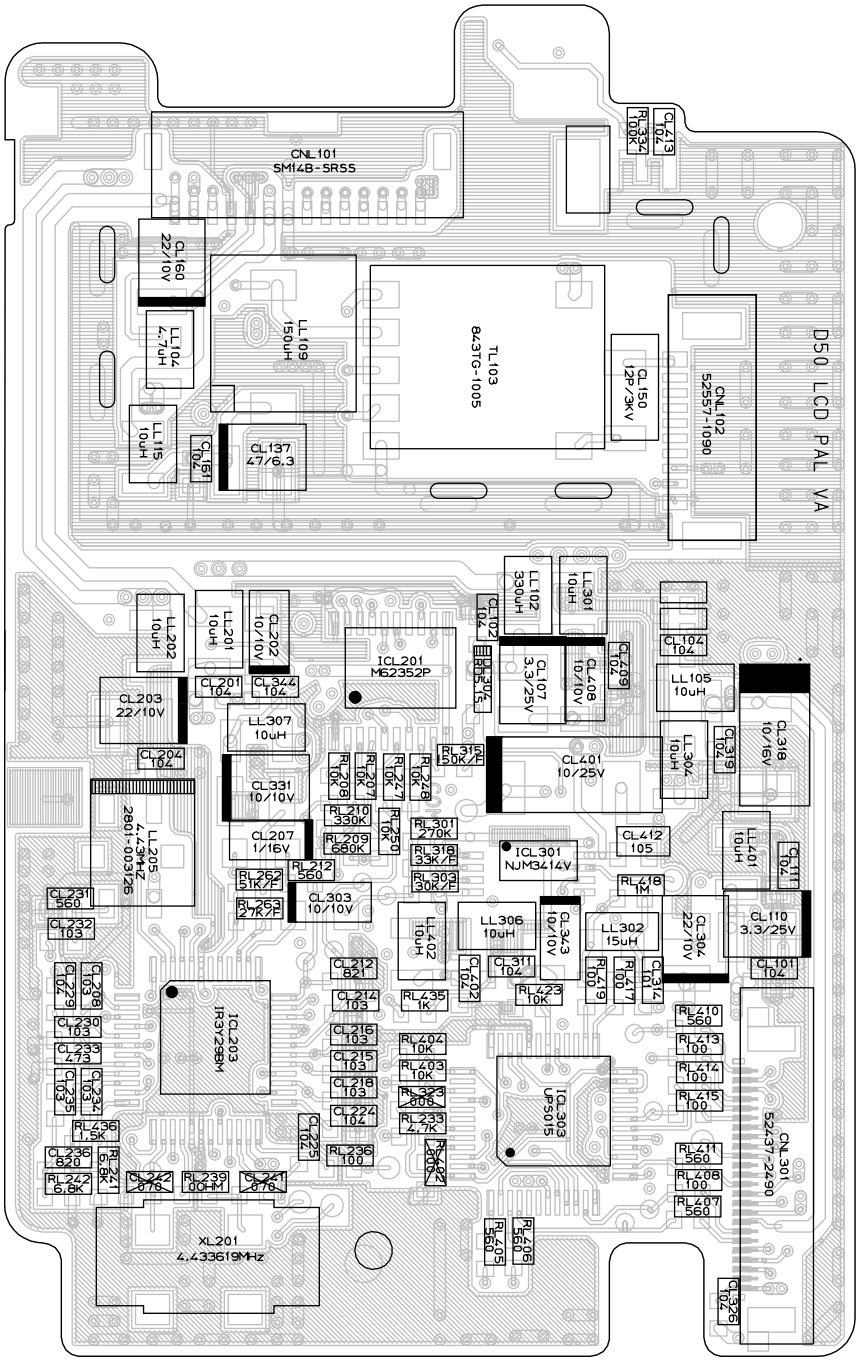


Conductor Side

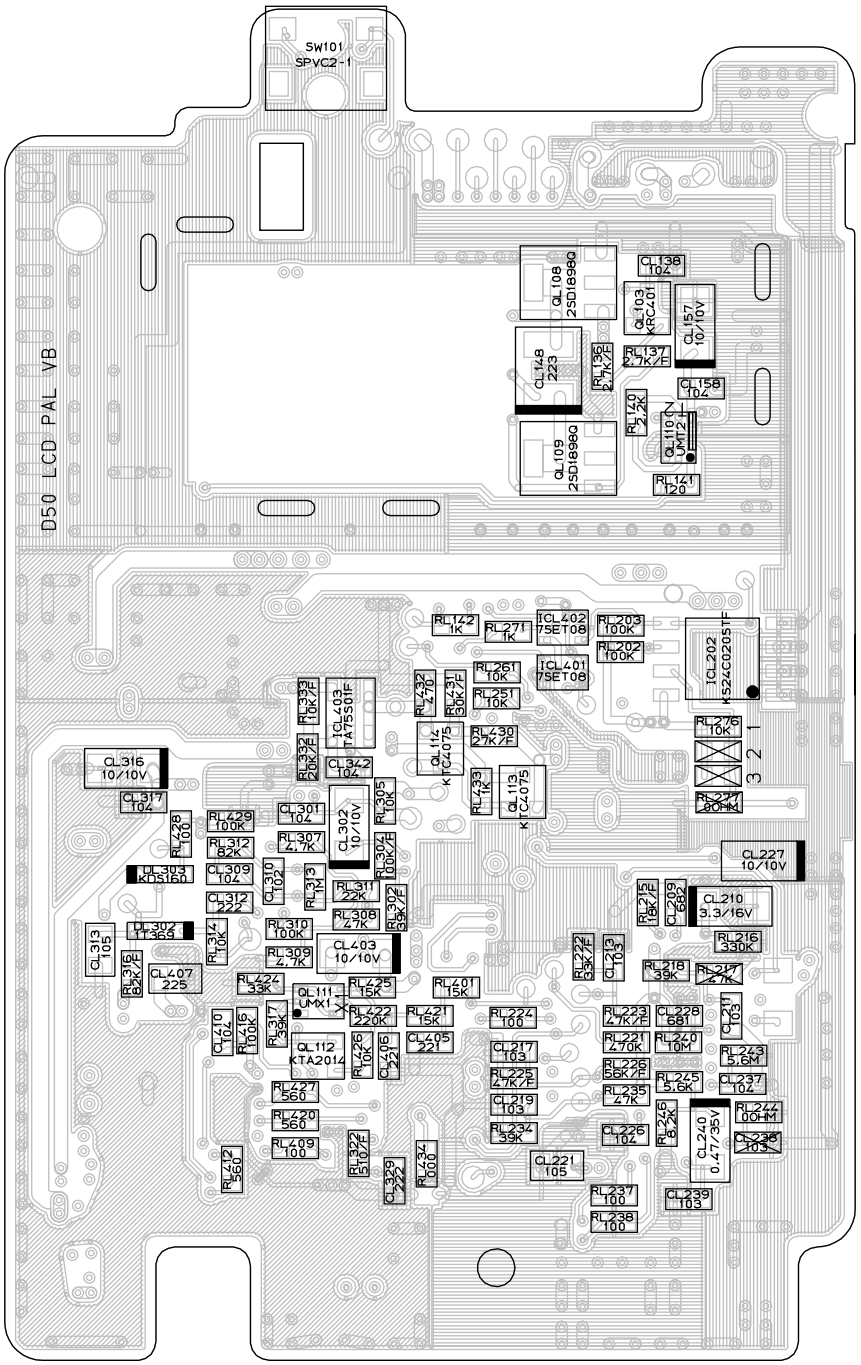


7-5. LCD PCB

Component Side



Conductor Side


D50 LCD PAL VB
SW101
SPVC2-1
QL108
2SD1898Q
QL109
2SD1898Q
QL103
KRC401
QL148
223
QL110
UMT1N
QL112
KTA2014
QL111
UMX1
QL114
KTC4075
QL113
KTC4075
ICL202
KS24C0205TF
ICL401
7SET08
ICL402
7SET08
ICL403
TA75S01F
CL138
104
CL157
10/10V
CL158
104
RL137
2.7K/F
RL139
2.7K/F
RL140
2.2K
RL141
120
CL316
10/10V
CL317
104
CL227
10/10V
CL210
3.3/16V
CL403
10/10V
CL302
10/10V
CL342
104
CL301
104
CL309
104
CL310
102
CL312
222
CL313
105
CL407
225
CL410
104
CL416
100K
CL405
221
CL329
222
CL221
105
CL240
0.47/35V
CL239
103
CL236
103
CL211
103
CL228
681
RL142
1K
RL271
1K
RL203
100K
RL202
100K
RL261
10K
RL251
10K
RL432
270
RL431
30K/F
RL430
2K/F
RL433
1K
RL276
10K
RL277
680HM
RL275
8K/F
RL209
680
RL216
330K
RL222
3.3K/F
RL218
39K
RL217
2.7K
RL223
4.7K/F
RL221
470K
RL240
10M
RL226
56K/F
RL225
47K/F
RL235
47K
RL219
103
RL232
39K
RL226
8.2K
RL243
5.6M
RL245
5.6K
RL237
102
RL244
100HM
RL305
10K
RL307
2.7K
RL312
82K
RL303
KDS160
RL314
10K
RL316
82K/F
RL311
22K
RL308
4.7K
RL310
100K
RL309
2.7K
RL302
39K/F
RL304
100K/F
RL332
20K/F
RL333
10K/F
RL428
100
RL429
100K
RL422
33K
RL425
15K
RL401
15K
RL317
33K
RL422
220K
RL421
15K
RL426
10K
RL427
560
RL420
560
RL409
100
RL412
560
RL322
510/F
RL434
000
RL224
100
RL217
103
RL237
100
RL238
100
CL342
104
CL202
CL203
CL204
CL205
CL206
CL207
CL208
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CL238
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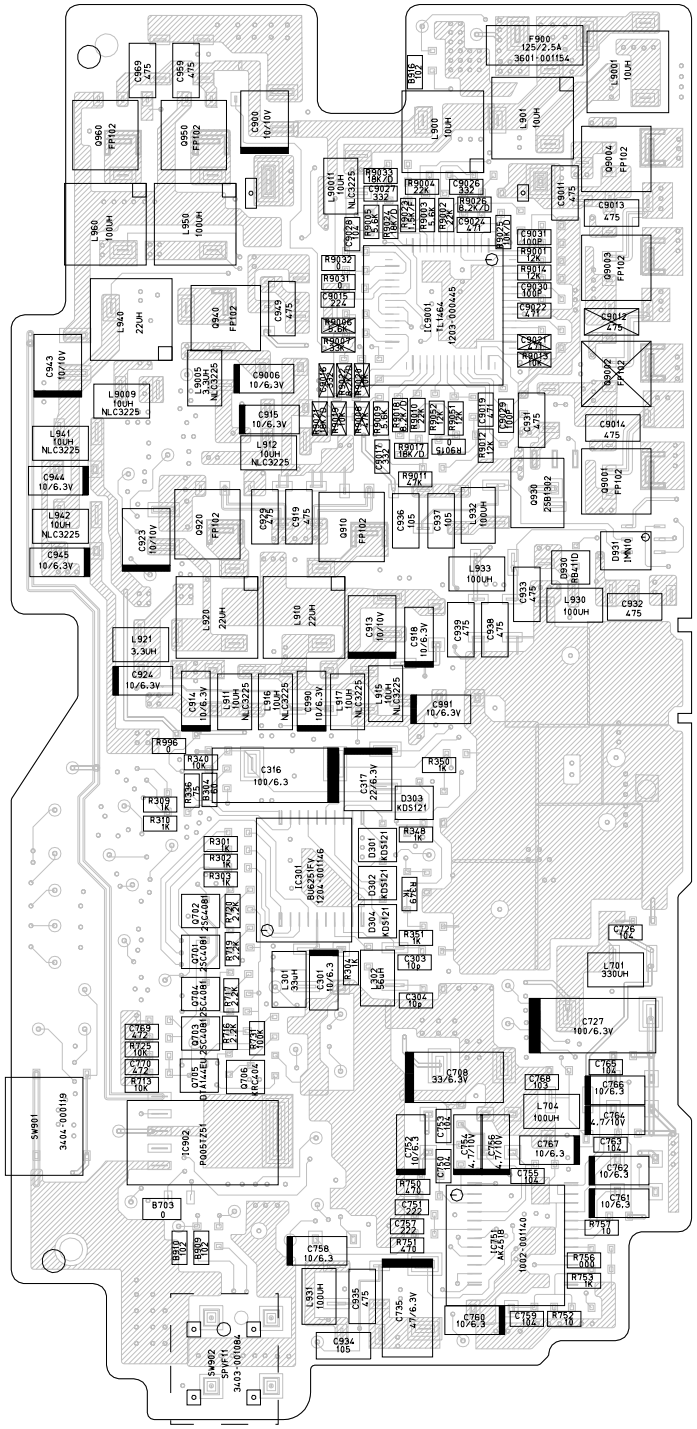
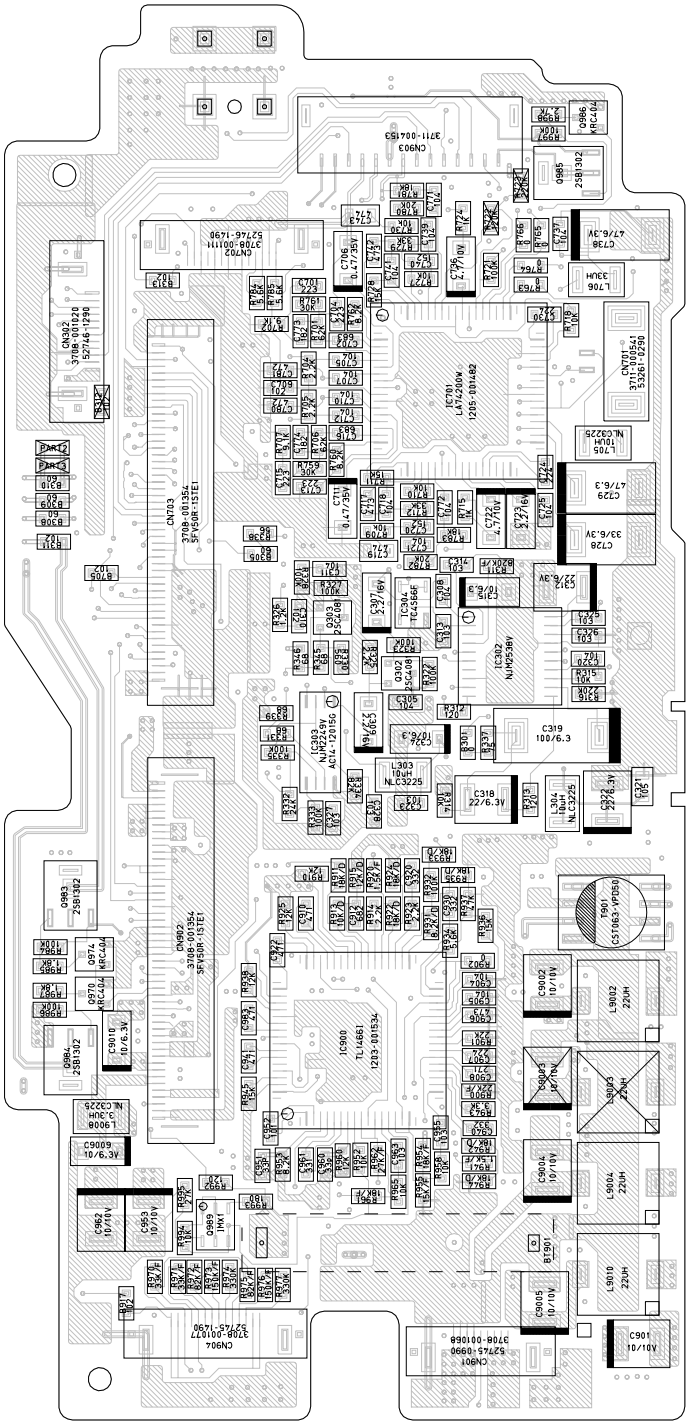
CL240
CL241

7-6. DC/DC Converter PCB

Component Side

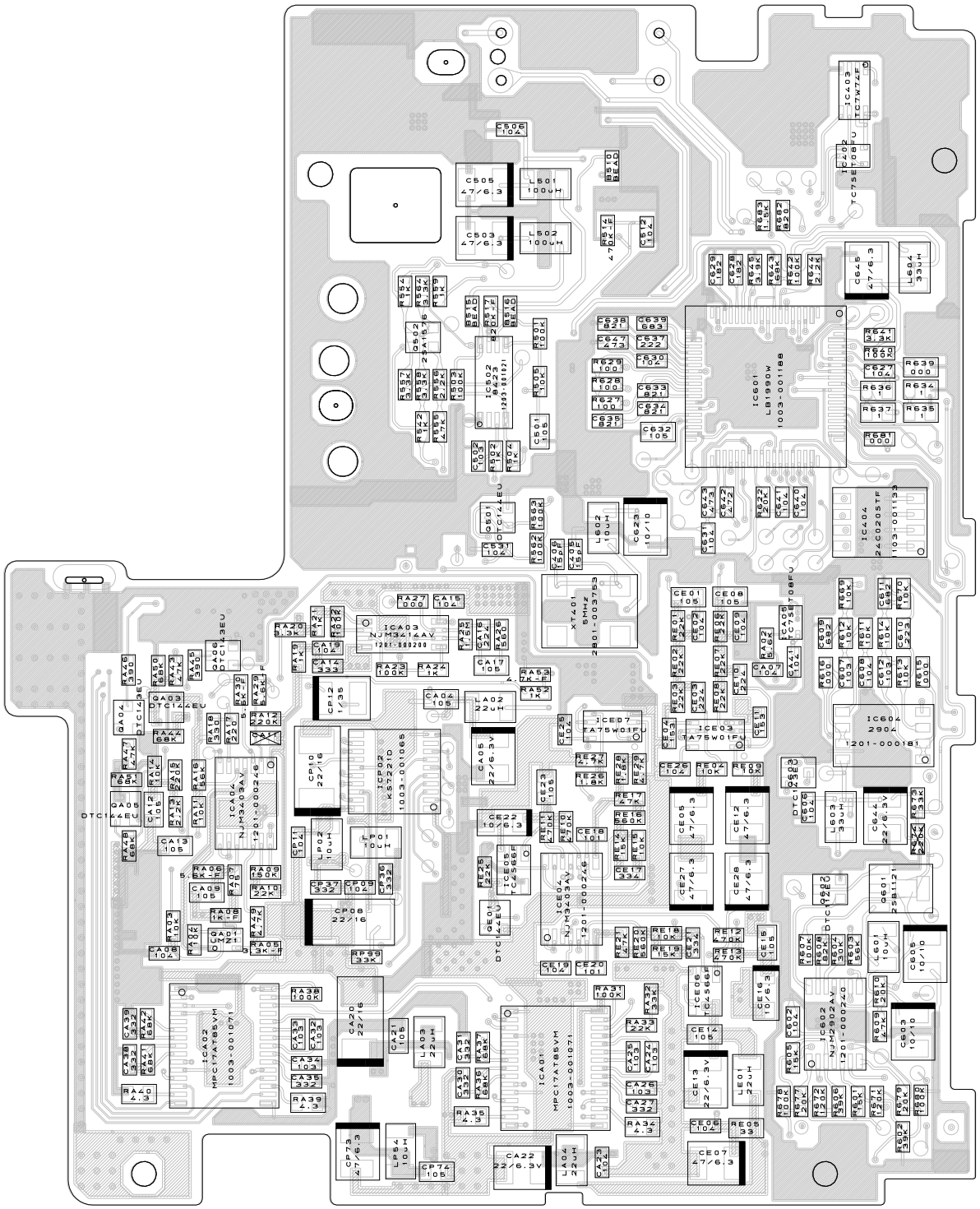


Conductor Side

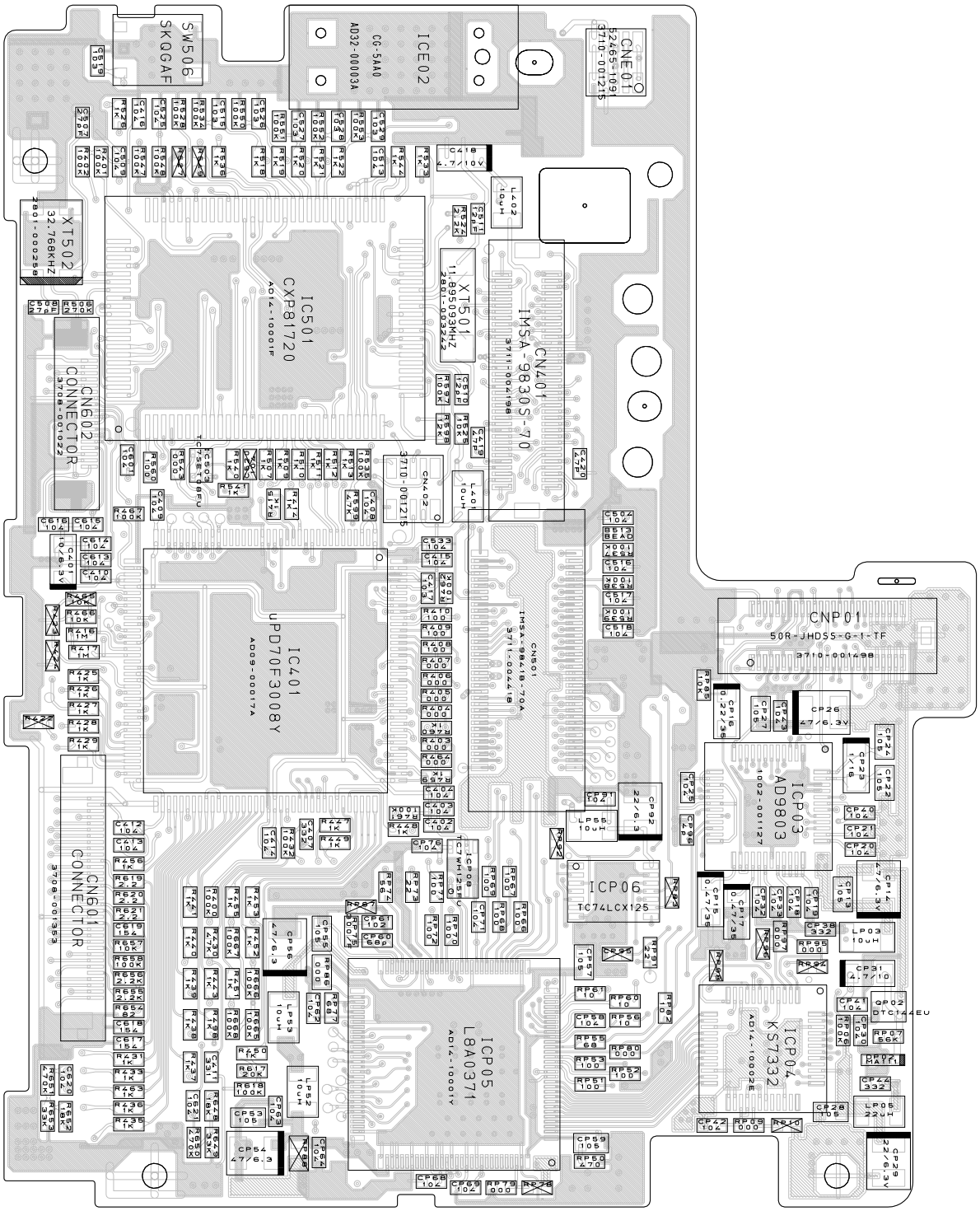


7-7. System Control PCB

Component Side

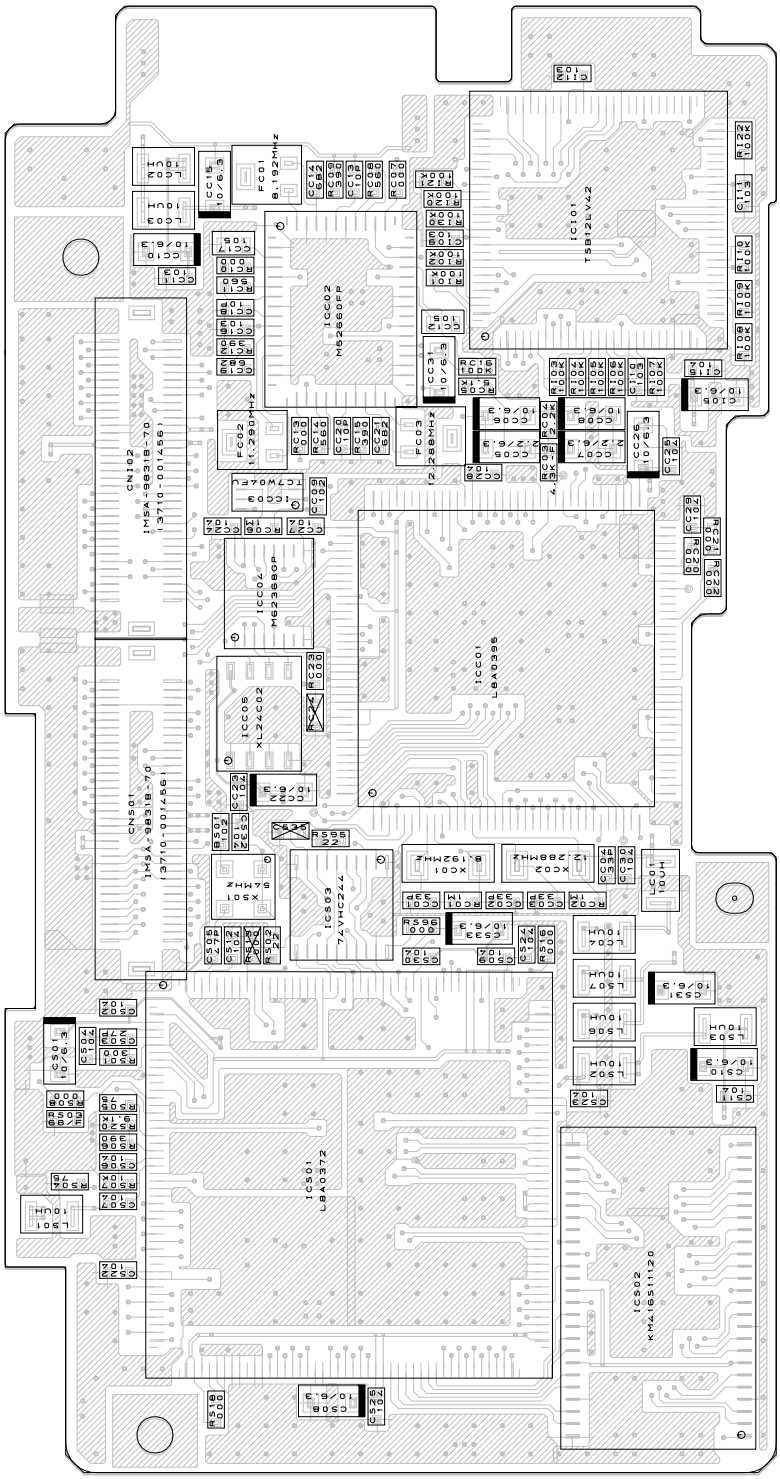


Conductor Side

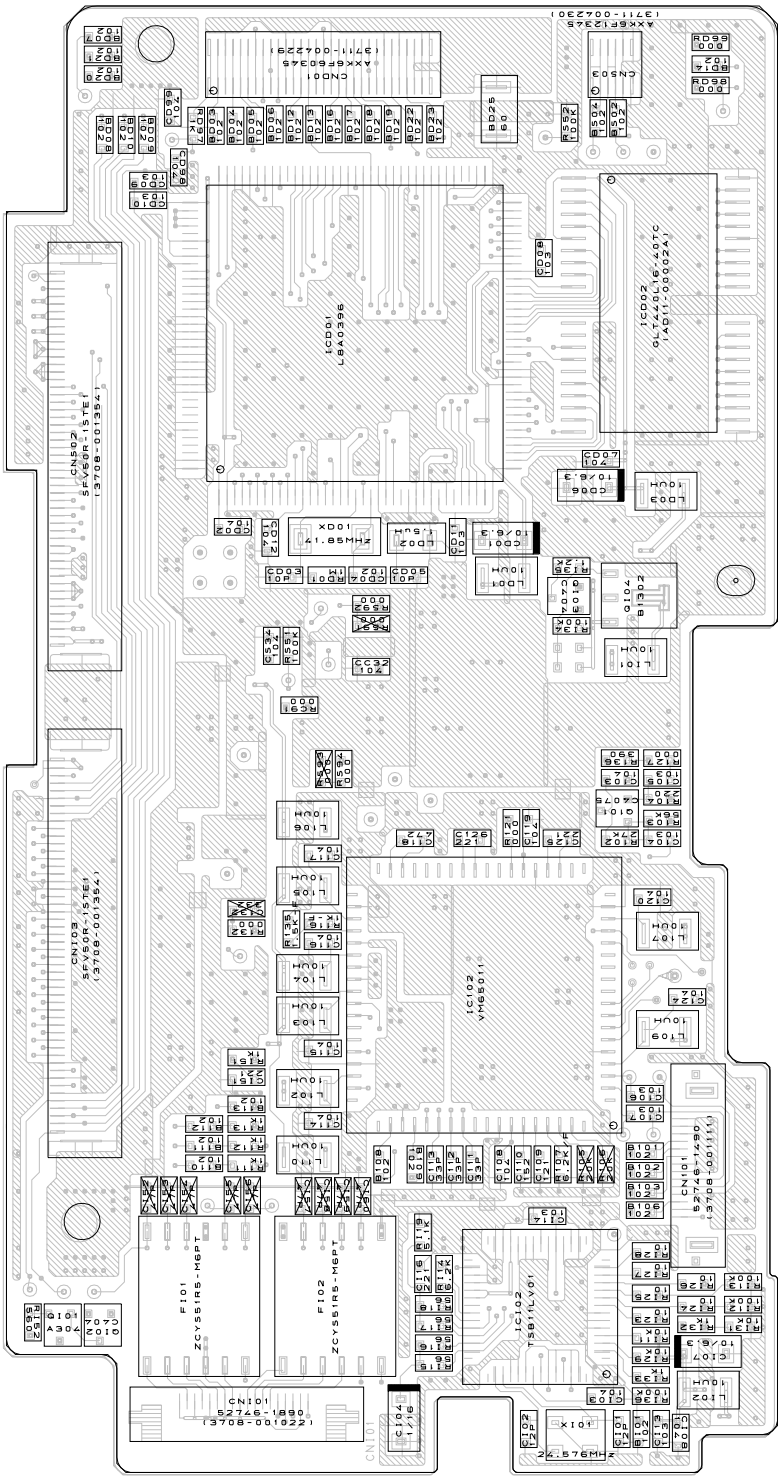


7-8. Digital PCB

Component Side

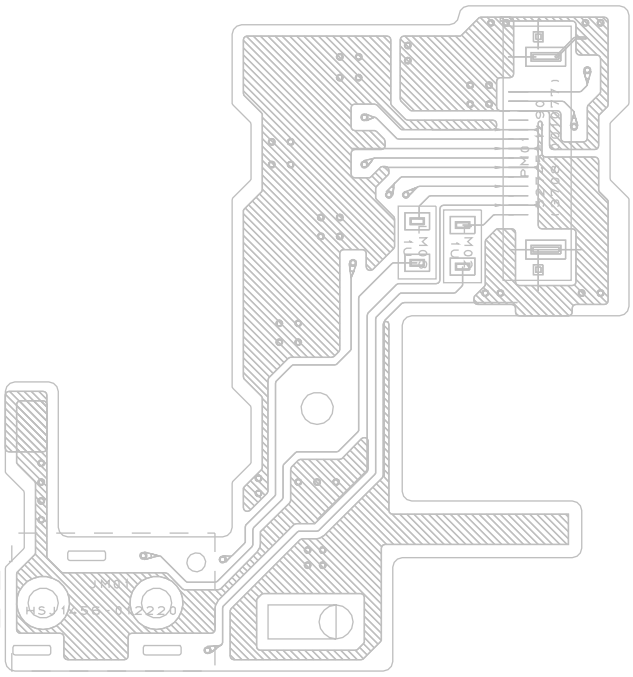


Conductor Side

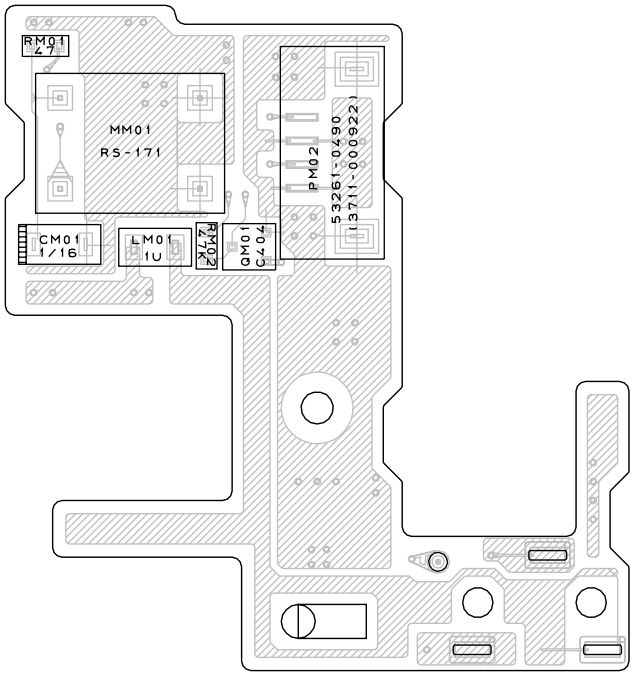


7-9. Mic PCB

Component Side



Conductor Side



MEMO

Loc. No	Part No	Desc & Spec	Remark
C637	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C638	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
C639	2203-001140	C-CERAMIC,CHIP;68nF,10%,16V,X7R,TP,1608,	
C640	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C641	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C642	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C643	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C644	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
C645	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C647	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
CA04	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA05	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CA07	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA08	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA09	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA12	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA13	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA14	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
CA15	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA16	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CA17	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA20	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CA21	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA22	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CA23	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA24	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA25	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA26	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA27	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA30	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA31	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA33	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA34	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA35	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA38	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA39	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CA41	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE01	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	

Loc. No	Part No	Desc & Spec	Remark
CE02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE03	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CE04	2203-000372	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
CE05	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CE06	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE07	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CE08	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CE09	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE10	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CE11	2203-000372	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
\CE12	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CE13	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CE14	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CE15	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CE16	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CE17	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CE18	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
CE19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE20	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
CE21	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CE22	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CE23	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CE25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE26	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE27	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CE28	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CN401	3711-004198	CONNECTOR-HEADER;BOX,70P,2R,0.5MM,SMD-S,	
CN402	3710-001215	CONNECTOR-SOCKET;10P,2R,0.8mm,SMD-S,SN	
CN501	3711-004418	CONNECTOR-HEADER;BOX,70P,2R,0.5mm,SMD-S,	
CN601	3708-001353	CONNECTOR-FPC/FC/PIC;33P,0.5MM,SMD-A,SN	
CN602	3708-001022	CONNECTOR-FPC/FC/PIC;18P,0.5mm,ANGLE,SN	
CNE01	3710-001215	CONNECTOR-SOCKET;10P,2R,0.8mm,SMD-S,SN	
CNP01	3710-001498	CONNECTOR-SOCKET;50P,2R,0.5MM,SMD-S,AUF	
CP08	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CP09	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP10	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CP11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP12	2404-000156	C-TA,CHIP;1uF,20%,35V,-,TP,3528,1.4mm	
CP13	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP14	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	

Loc. No	Part No	Desc & Spec	Remark
CP15	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
CP16	2404-000416	C-TA,CHIP;220nF,20%,50V,GP,TP,3426,-	
CP17	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
CP18	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP21	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP22	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP23	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CP24	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP26	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP27	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP28	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP29	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CP30	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP31	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CP32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP33	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP36	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP37	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP38	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP40	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP41	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP42	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP43	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP44	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP53	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP54	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP55	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP56	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP57	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP58	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP59	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP60	2203-001683	C-CERAMIC,CHIP;0.068nF,5%,50V,NP0,TP,160	
CP61	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CP62	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP63	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP64	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP68	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	

Loc. No	Part No	Desc & Spec	Remark
CP69	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP71	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP73	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP74	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP76	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP91	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP92	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CP96	2203-001660	C-CERAMIC,CHIP;0.004nF,0.25pF,16V,Y5V,TP	
DFP	AD69-00065A	PAD;VP-D50(DFP),FCU7500,1t,14mm,-,	
DP02	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
IC401	AD09-00050A	IC-MICOM;703008YGJ-25-J15-8EU,-,-,-,Tra	
IC402	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
IC403	0801-002001	IC-CMOS LOGIC;TC7W74FU,D FLIP-FLOP,SSOP,	
IC404	1103-001133	IC-EEPROM;24C020,256x8BIT,SOP,8P,150MIL,	
IC501	AD09-00051A	IC-MICOM;CXP81732A-513Q,-,-,-,QFP,-,-,-	
IC502	1203-001021	IC-VOLTAGE REGULATOR;8423,SOP,8P,251MIL,	
IC503	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
IC601	1003-001241	IC-MOTOR DRIVER;LB11990W,SQPF,64P,-,-,1A	
IC602	1201-000240	IC-OP AMP;2902,SOP,14P,173MIL,QUAD,15V/m	
IC604	1201-000181	IC-OP AMP;2904,SOP,8P,150MIL,DUAL,15V/mV	
ICA01	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206M	
ICA02	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206M	
ICA03	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
ICA04	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/m	
ICA05	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
ICE02	AD32-00003A	SENSOR--GYRO;CG-L35AB0,-5TO75,100HZ,-	
ICE03	1201-001376	IC-OP AMP;TA75W01FU,SSOP,8P,110MIL,DUAL	
ICE04	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/m	
ICE05	AC14-12007X	IC-LOGIC;TC4S66F(TE85R),SSOP-5,5P	
ICE06	AC14-12007X	IC-LOGIC;TC4S66F(TE85R),SSOP-5,5P	
ICE07	1201-001376	IC-OP AMP;TA75W01FU,SSOP,8P,110MIL,DUAL	
ICP02	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225MIL,Q	
ICP03	1002-001192	IC-A/D CONVERTER;AD9803JST80016R3,10,LQF	
ICP04	AD14-10002E	IC-WDR;KS7332,QFP,48P	
ICP05	AD14-10001Y	IC-DFP;L8A0371,QFP,DFP-120P	
ICP06	0801-002257	IC-CMOS LOGIC;TC74LCX125FT,BUS BUFFER,SO	
ICP08	0801-002429	IC-CMOS LOGIC;TC7W125U,BUS BUFFER	
L401	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L402	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L501	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	

Loc. No	Part No	Desc & Spec	Remark
L502	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L601	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L602	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L603	2703-001799	INDUCTOR-SMD;33UH,10%,3.2X2.5X2.2MM	
L604	2703-001799	INDUCTOR-SMD;33UH,10%,3.2X2.5X2.2MM	
LA02	2703-001572	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LA03	2703-001572	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LA04	2703-001572	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LE01	2703-001572	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP01	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP02	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP03	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP05	2703-001572	INDUCTOR-SMD;22uH,10%,3.2x2.5x2.2mm	
LP52	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP53	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP54	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LP55	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
Q501	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q502	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
Q601	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,PCP,TP	
Q602	0504-001038	TR-DIGITAL;KRC402,NPN,100MW,10K/10K,SOT-	
Q603	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QA01	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100mA,	
QA03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA04	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QA05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA06	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QE01	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
R400	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R401	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R402	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R403	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R404	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R405	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R406	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R407	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R408	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R409	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R410	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R414	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R415	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R416	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R417	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R425	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R426	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R427	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R428	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R429	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R430	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R431	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R432	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R433	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R435	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R436	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R437	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R438	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R439	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R440	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R441	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R443	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R447	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R448	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R449	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R450	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R451	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R452	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R453	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R455	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R456	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R459	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R460	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R461	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R462	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R463	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R464	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R466	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R467	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R498	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R501	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R502	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R503	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R504	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R505	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R506	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	
R507	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R509	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R510	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R511	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R512	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R513	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R514	2007-000923	R-CHIP;470Kohm,1%,1/16W,DA,TP,1608	
R517	2007-001194	R-CHIP;820Kohm,1%,1/16W,DA,TP,1608	
R518	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R519	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R520	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R521	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R522	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R524	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R525	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R526	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R528	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R533	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R534	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R535	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R536	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R537	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R538	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R539	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R540	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R541	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R542	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R543	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R544	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R547	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R548	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R550	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R551	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R552	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R553	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R554	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R555	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R556	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R557	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R558	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R559	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R560	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R562	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R563	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R564	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R597	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R598	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R599	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R601	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R602	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
R603	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
R604	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R605	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R606	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
R607	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R608	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
R609	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R610	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R611	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R612	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R613	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R614	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R615	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R616	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R617	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R618	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R619	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R620	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R621	2007-000503	R-CHIP;2.2ohm,5%,1/16W,DA,TP,1608	
R622	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R627	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R628	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R629	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R634	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R635	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	

Loc. No	Part No	Desc & Spec	Remark
R636	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R637	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R639	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R640	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R641	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R642	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R643	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
R644	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R645	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
R648	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R649	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R650	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
R651	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
R652	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R653	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R654	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
R655	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R656	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R657	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R658	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R665	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R666	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R667	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R668	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R669	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R670	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R671	2007-000103	R-CHIP;120Kohm,5%,1/16W,DA,TP,1608	
R672	2007-000103	R-CHIP;120Kohm,5%,1/16W,DA,TP,1608	
R673	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R677	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R678	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R679	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
R680	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R681	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R682	2007-000121	R-CHIP;820ohm,5%,1/16W,DA,TP,1608	
R683	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
RA02	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RA03	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RA04	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RA05	2007-000683	R-CHIP;3.3Kohm,1%,1/16W,DA,TP,1608	
RA06	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA07	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
RA08	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
RA09	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
RA10	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RA11	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RA12	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RA13	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RA14	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RA15	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RA16	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RA17	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
RA18	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
RA19	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA20	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RA21	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA22	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA23	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA24	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA25	2007-000250	R-CHIP;1.5Mohm,5%,1/16W,DA,TP,1608	
RA26	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RA27	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RA29	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA30	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA31	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA32	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RA33	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RA34	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA35	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA36	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA37	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA38	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA39	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA40	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA41	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA42	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA43	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA44	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA45	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RA46	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RA47	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA48	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA49	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RA50	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA51	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA52	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA53	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
RE01	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE02	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE03	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE04	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RE05	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
RE06	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE07	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE08	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE09	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RE10	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RE11	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RE12	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RE13	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RE14	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RE15	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RE16	2007-001026	R-CHIP;560Kohm,5%,1/16W,DA,TP,1608	
RE17	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RE18	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RE19	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RE20	2007-001026	R-CHIP;560Kohm,5%,1/16W,DA,TP,1608	
RE21	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RE25	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RE26	2007-000265	R-CHIP;1.8Kohm,1%,1/16W,DA,TP,1608	
RE27	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
RE28	2007-000265	R-CHIP;1.8Kohm,1%,1/16W,DA,TP,1608	
RE29	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
RP06	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RP07	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RP09	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP50	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RP51	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP52	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP53	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RP55	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
RP56	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP60	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP61	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP66	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP67	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP68	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP69	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP70	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP71	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP72	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RP73	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
RP74	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
RP75	2007-000726	R-CHIP;300ohm,1%,1/16W,DA,TP,1608	
RP77	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
RP79	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP80	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP82	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RP85	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RP86	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP91	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
RP95	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP97	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP99	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
SW506	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x0.8mm	
XT401	2801-003753	CRYSTAL-SMD;5MHZ,50PPM,28-ABN,16PF,150OH	
XT501	2801-003242	CRYSTAL-SMD;11.895104MHz,50ppm,28-ABL,13	
XT502	2801-000258	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAW,12	
	ASSY-DC/DC BOARD		
B301	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
B304	2901-001022	FILTER-EMI SMD;10V,200MA,-	
B305	2901-001022	FILTER-EMI SMD;10V,200MA,-	
B308	2901-001022	FILTER-EMI SMD;10V,200MA,-	
B309	2901-001022	FILTER-EMI SMD;10V,200MA,-	
B310	2901-001022	FILTER-EMI SMD;10V,200MA,-	
B311	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B313	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B703	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
B705	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B909	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	

Loc. No	Part No	Desc & Spec	Remark
B910	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B916	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B917	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
C301	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C303	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
C304	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
C305	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C307	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C308	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C309	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C310	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C311	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C312	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
C313	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C314	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C315	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C316	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C317	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
C318	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
C319	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C320	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C321	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C322	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
C323	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C324	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C325	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C326	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C327	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C328	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C701	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C702	2203-001140	C-CERAMIC,CHIP;68nF,10%,16V,X7R,TP,1608,	
C704	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C705	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C706	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
C707	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C708	2404-000226	C-TA,CHIP;33uF,20%,6.3V,WT,6032,-,TP	
C709	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C710	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C711	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
C712	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	

Loc. No	Part No	Desc & Spec	Remark
C713	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C715	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C716	2203-001140	C-CERAMIC,CHIP;68nF,10%,16V,X7R,TP,1608,	
C717	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
C718	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C719	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C720	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
C721	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C722	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C723	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C724	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C725	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C726	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C727	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C728	2404-000226	C-TA,CHIP;33uF,20%,6.3V,WT,6032,-,TP	
C729	2404-000259	C-TA,CHIP;47uF,20%,6.3V,-,TP,6032,-	
C730	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C735	2404-000259	C-TA,CHIP;47uF,20%,6.3V,-,TP,6032,-	
C736	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C737	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C738	2404-000259	C-TA,CHIP;47uF,20%,6.3V,-,TP,6032,-	
C739	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C740	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
C741	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C742	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
C743	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C750	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C751	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C752	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C753	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C754	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C755	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C756	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C757	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C758	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C759	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C760	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C761	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C762	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C763	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	

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C764	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C765	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C766	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C767	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C768	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C769	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C770	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C771	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C772	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C773	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C774	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C780	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C781	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C900	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9002	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9004	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9005	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9006	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C9009	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C901	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9010	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C9011	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9013	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9014	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9015	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C9017	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C9019	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C9022	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C9024	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C9026	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C9027	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C9028	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C9029	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C9030	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C9031	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C904	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C905	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C906	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
C907	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C908	2203-001408	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,1608	

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C910	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C912	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C913	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C914	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C915	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C918	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C919	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C920	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C922	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C923	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C924	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C929	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C930	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C931	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C932	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C933	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C934	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C935	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C936	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C937	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C938	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C939	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C940	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
C941	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C943	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C944	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C945	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C949	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C951	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C952	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C953	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C955	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C959	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C960	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C961	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
C962	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C963	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C969	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C983	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C990	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	

Loc. No	Part No	Desc & Spec	Remark
C991	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CN302	3708-001020	CONNECTOR-FPC/FC/PIC;12P,0.5mm,ANGLE,SN	
CN701	3711-000541	CONNECTOR-HEADER;BOX,2P,1R,1.25mm,SMD-A,	
CN702	3708-001111	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
CN703	3708-001354	CONNECTOR-FPC/FC/PIC;50P,0.5MM,SMD-A,SN	
CN901	3708-001068	CONNECTOR-FPC/FC/PIC;9P,0.5MM,SMD-A,SN	
CN902	3708-001354	CONNECTOR-FPC/FC/PIC;50P,0.5MM,SMD-A,SN	
CN903	3711-004153	CONNECTOR-HEADER;BOX,14P,1R,1mm,SMD-A,SN	
CN904	3708-001077	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
D301	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D302	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D303	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D304	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D930	0404-000110	DIODE-SCHOTTKY;RB411D,20V,500mA,SOT-23,T	
D931	0407-000139	DIODE-ARRAY;IMN10,80V,100mA,CX3,IMD,TP	
F900	3601-001154	FUSE-SURFACE MOUNT;125V,2.5A,SLOW-BLOW,C	
IC301	1204-001146	IC-OSD PROCESSOR;BU6251FV,SOP,20P,240MIL	
IC302	1201-001322	IC-VIDEO AMP;NJM2538V,SOP,20P,175MIL,-,-	
IC303	AC14-12015G	IC-LINEAR;NJM2249V,SSOP,TAPE	
IC304	AC14-12007X	IC-LOGIC;TC4S66F(TE85R),SSOP-5,5P	
IC701	1205-001482	IC-INTERFACE;LA74200W,QFP,64P,400MIL,EPO	
IC751	1002-001140	IC-A/D&D/A CONVERTER;AK4518VF,16BIT,VSOP	
IC900	1203-001534	IC-PWM CONTROLLER;TL1466I,QFP,64P,-,PLAS	
IC9001	1203-000445	IC-POSI.FIXED REG.;14641,TO-220,3P,-,PLA	
IC902	1203-001025	IC-VOLTAGE REGULATOR;05TZ1,-,5P,-,PLASTI	
L301	2703-001799	INDUCTOR-SMD;33UH,10%,3.2X2.5X2.2MM	
L302	2703-000226	INDUCTOR-SMD;56uH,5%,2.5x3.2x2.2mm	
L303	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L304	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L701	2703-000407	INDUCTOR-SMD;330uH,10%,3.2x2.5x2.2mm	
L704	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L705	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L706	2703-000406	INDUCTOR-SMD;33uH,10%,3.2x2.5x2.2mm	
L900	2703-001871	INDUCTOR-SMD;10UH,20%,6X6X2.8MM	
L9001	2703-001871	INDUCTOR-SMD;10UH,20%,6X6X2.8MM	
L90011	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L9002	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L9004	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L9005	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9008	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9009	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L901	2703-001871	INDUCTOR-SMD;10UH,20%,6X6X2.8MM	
L9010	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L910	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L911	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L912	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L915	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L916	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L917	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L920	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L921	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L930	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L931	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L932	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L933	2703-001800	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L940	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L941	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L942	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L950	2703-001866	INDUCTOR-SMD;100UH,20%,6X6X2.8MM	
L960	2703-001866	INDUCTOR-SMD;100UH,20%,6X6X2.8MM	
Q302	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q303	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q701	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q702	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q703	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q704	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200mW,UMT,TP	
Q705	0504-000107	TR-DIGITAL;DTA144EU,PNP,200mW,47K-47K,SC	
Q706	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q9001	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q9003	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q9004	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q910	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q920	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q930	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q940	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q950	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q960	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP	
Q970	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q974	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q983	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	

Loc. No	Part No	Desc & Spec	Remark
Q984	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q985	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q986	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q989	0506-000135	TR-ARRAY;IMX1,NPN,2,50V,40V,100mA,300mW	
R301	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R302	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R303	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R304	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R309	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R310	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R311	2007-001194	R-CHIP;820Kohm,1%,1/16W,DA,TP,1608	
R312	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R313	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R314	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R315	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R316	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
R322	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R323	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R325	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R326	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R327	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R328	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R330	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
R331	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R332	2007-000616	R-CHIP;24Kohm,5%,1/16W,DA,TP,1608	
R333	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R334	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
R335	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R336	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R337	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R338	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
R339	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R340	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R345	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R346	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
R348	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R349	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R350	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R351	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R701	2007-000099	R-CHIP;62Kohm,5%,1/16W,DA,TP,1608	
R702	2007-000127	R-CHIP;9.1Kohm,5%,1/16W,DA,TP,1608	
R704	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R705	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R706	2007-000099	R-CHIP;62Kohm,5%,1/16W,DA,TP,1608	
R707	2007-000127	R-CHIP;9.1Kohm,5%,1/16W,DA,TP,1608	
R709	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R710	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R711	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R712	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R713	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R715	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R716	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R717	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R718	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R719	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R720	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R721	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R724	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R725	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R727	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R728	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R729	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
R730	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R731	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R750	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R751	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
R752	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R753	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R756	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R757	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R759	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R760	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
R761	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R762	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
R763	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R764	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R765	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R766	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R780	2007-000066	R-CHIP;20Kohm,1%,1/16W,DA,TP,1608	
R781	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
R782	2007-000066	R-CHIP;20Kohm,1%,1/16W,DA,TP,1608	
R783	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
R784	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R785	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R900	2007-000583	R-CHIP;22Kohm,1%,1/16W,DA,TP,1608	
R9001	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R9002	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R9003	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R9004	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R9005	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R9009	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R901	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R9010	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R9011	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R9012	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R9014	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R9015	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9017	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9018	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R902	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9023	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	
R9024	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9025	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R9026	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R9031	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9032	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9033	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9051	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R9052	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R910	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R911	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R913	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R914	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R915	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R920	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	
R922	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R923	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
R924	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R925	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R931	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R932	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R933	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R934	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R935	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R936	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R937	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R938	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R941	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	
R942	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R943	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
R944	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R945	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
R952	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R953	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
R954	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	
R955	2007-000067	R-CHIP;15Kohm,1%,1/16W,DA,TP,1608	
R958	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R960	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
R961	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	
R962	2007-000651	R-CHIP;27Kohm,1%,1/16W,DA,TP,1608	
R965	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R970	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
R971	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
R972	2007-001206	R-CHIP;82Kohm,1%,1/16W,DA,TP,1608	
R973	2007-000063	R-CHIP;150Kohm,1%,1/16W,DA,TP,1608	
R974	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608	
R975	2007-001206	R-CHIP;82Kohm,1%,1/16W,DA,TP,1608	
R976	2007-000063	R-CHIP;150Kohm,1%,1/16W,DA,TP,1608	
R977	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608	
R984	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R985	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
R986	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R987	2007-000079	R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1608	
R992	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R993	2007-000450	R-CHIP;180ohm,5%,1/16W,DA,TP,1608	
R994	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
R995	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
R996	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R997	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R998	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
SW901	3404-000119	SWITCH-TACT;12V,50MA,-,-,-	
T901	AD26-00007A	TRANS-CONVERTOR;REEL,-,CST063-VPD50	
	ASSY-PRE AMP BOARD		
B191	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B192	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B193	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
C191	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C192	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CN191	3708-001012	CONNECTOR-FPC/FC/PIC;8P,0.5mm,ANGLE,SN	
CN192	3708-001077	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
IC191	1201-001511	IC-PREAMP;370250,VSOP,14P,-,DUAL,500V/V,	
L191	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	
R191	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R192	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R193	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
	ASSY-MAIN BOARD		
B101	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B102	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B103	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B106	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B108	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B109	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B110	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B111	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B112	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
B113	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD03	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD04	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD05	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD06	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD07	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD08	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD09	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD10	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD12	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD13	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD14	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD16	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD17	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD18	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	

Loc. No	Part No	Desc & Spec	Remark
BD19	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD20	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD21	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD22	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD23	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BD25	3301-000325	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,-,-	
BI01	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BS01	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BS02	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
BS04	3301-001268	CORE-FERRITE BEAD;-,1KOHM,1608X0.8,190MA	
C103	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C104	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C105	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C106	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C107	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C108	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C109	2203-000315	C-CERAMIC,CHIP;0.12nF,5%,50V,NP0,TP,1608	
C110	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
C111	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C112	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C113	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C114	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C115	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C116	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C117	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C118	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C119	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C120	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C124	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
C125	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
C126	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
CC01	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
CC02	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
CC03	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
CC04	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
CC05	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
CC06	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC07	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
CC08	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC09	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	

Loc. No	Part No	Desc & Spec	Remark
CC10	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC11	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CC12	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CC13	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
CC14	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
CC15	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC16	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CC17	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CC18	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
CC19	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
CC20	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
CC21	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
CC22	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC23	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC24	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC26	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC27	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC28	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC29	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC30	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC31	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CD01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CD02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CD03	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
CD04	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CD05	2203-000041	C-CERAMIC,CHIP;0.01nF,0.25pF,50V,NP0,TP,	
CD06	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CD07	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CD08	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CD09	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CD10	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CD11	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CD12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CD98	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CD99	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CHANNE	AD69-00063A	PAD;VP-D50(CHANNEL),FCU7500,1.5t,2	
CI01	2203-000332	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
CI02	2203-000332	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	

Loc. No	Part No	Desc & Spec	Remark
CI03	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CI04	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CI05	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CI07	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CI08	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CI09	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI10	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI11	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CI15	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CI16	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
CI51	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
CN101	3708-001111	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
CND01	3711-004229	CONNECTOR-HEADER;BOX,60P,2R,0.5MM,SMD-S,	
CNI01	3708-001022	CONNECTOR-FPC/FC/PIC;18P,0.5mm,ANGLE,SN	
CNI02	3710-001456	CONNECTOR-SOCKET;70P,2R,0.5MM,SMD-S,AUF	
CNI03	3708-001354	CONNECTOR-FPC/FC/PIC;50P,0.5MM,SMD-A,SN	
CNS01	3710-001456	CONNECTOR-SOCKET;70P,2R,0.5MM,SMD-S,AUF	
CNS02	3708-001354	CONNECTOR-FPC/FC/PIC;50P,0.5MM,SMD-A,SN	
CNS03	3711-004230	CONNECTOR-HEADER;BOX,12P,2R,0.5MM,SMD-S,	
CS01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CS02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS03	2203-000681	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,160	
CS04	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS05	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
CS06	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS07	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS08	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CS09	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS10	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CS11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS22	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS23	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS24	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS30	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS31	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	

Loc. No	Part No	Desc & Spec	Remark
CS32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CS33	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CS34	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
FC01	AC29-92001R	FILTER-LC CHIP;BP,8.192M,NLT3225-S8R2,C4	
FC02	AC29-92001S	FILTER-LC CHIP;BP,11.290M,NLT3225-S11R3,	
FC03	AC29-92001Q	FILTER-LC CHIP;BP,12.288M,NLT3225-S12R3A	
FI01	AD27-00003A	COIL-CHOKE;-,200OHM MIN,-,-,-,REEL,NOISE	
FI02	AD27-00003A	COIL-CHOKE;-,200OHM MIN,-,-,-,REEL,NOISE	
IC102	1201-001356	IC-R/W AMP;65011,QFP,64P,677MIL,QUAD,-,P	
ICC01	AD13-10030L	IC-ASIC;-,L8A0395,TQFP,144P,COMPRESSIO	
ICC02	AC14-12008U	IC-LOGIC;M52660FP,QFP,BULK 48P	
ICC03	0801-000301	IC-CMOS LOGIC;TC7W04FU(TE12L),8P,150MI	
ICC04	1002-001167	IC-D/A CONVERTER;M62368GP,8BIT,SSOP,16P,	
ICC05	1103-001133	IC-EEPROM;24C020,256x8BIT,SOP,8P,150MIL,	
ICD01	AD13-00001A	IC-ASIC;-,L8A0396,TQFP,144,ERROR CORRE	
ICD02	AD11-00002A	IC-MEMEORY;GLT440L16-40TC,40,TSOP,DRAM ,	
ICI01	AD14-10002B	IC;TSB12LV42,QFP,LINK LAYER CONTR	
ICI02	AD14-10002C	IC;TSB11LV01,QFP,PHY CONTROLLER	
ICS01	AD13-10030M	IC-ASIC;-,L8A0372,TQFP,176P,SHUFFLE	
ICS02	1105-001035	IC-DRAM;416S1120,1Mx16Bit,TSOP,50P,400	
ICS03	0801-002393	IC-CMOS LOGIC;74VHC244,BUS BUFFER,TSSOP,	
L102	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L103	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L104	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L105	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L106	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L107	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L109	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L110	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LC01	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LC02	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LC03	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LC04	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LD01	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LD02	2703-001128	INDUCTOR-SMD;1.5uH,5%,2.5x2x1.8mm	
LD03	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LI01	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LI02	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LS01	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LS02	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LS03	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LS06	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LS07	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
MVAUDI	AD69-00067A	PAD;VP-D50(MVAUDIO),FCU7500,1t,20,	
PRML	AD69-00062A	PAD;VP-D50,FCU7500,0.7t,13,-,BLACK	
Q101	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
QI01	0504-001036	TR-DIGITAL;KRA304,PNP,100mW,47K/47Kohm,S	
QI02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QI03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QI04	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
R102	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
R103	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
R104	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R107	2007-001056	R-CHIP;6.2Kohm,5%,1/16W,DA,TP,1608	
R111	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R112	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R113	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R116	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
R121	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R127	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R132	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R135	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	
R136	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RC01	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC02	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC03	2007-000857	R-CHIP;4.3Kohm,1%,1/16W,DA,TP,1608	
RC04	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RC05	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	
RC06	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC07	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC08	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RC09	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RC10	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC11	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RC12	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RC13	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC14	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RC15	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RC16	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RC20	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RC21	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC22	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC23	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC91	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RD01	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RD97	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RD98	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RD99	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RI01	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI02	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI03	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI04	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI05	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI06	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI07	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI08	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI09	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI10	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI11	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RI12	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI13	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI14	2007-001056	R-CHIP;6.2Kohm,5%,1/16W,DA,TP,1608	
RI15	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
RI16	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
RI17	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
RI18	2007-001044	R-CHIP;56ohm,5%,1/16W,DA,TP,1608	
RI19	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	
RI20	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI21	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI22	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI23	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI24	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI25	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI26	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI27	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI28	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RI29	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RI30	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI31	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RI32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RI33	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RI34	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI35	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RI36	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RI51	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RI52	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RS01	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
RS02	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
RS03	2007-001131	R-CHIP;68ohm,1%,1/16W,DA,TP,1608	
RS04	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
RS05	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
RS06	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RS07	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RS08	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RS16	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RS18	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RS20	2007-000127	R-CHIP;9.1Kohm,5%,1/16W,DA,TP,1608	
RS51	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RS52	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RS92	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RS94	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RS95	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
RS96	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
SHUFFL	AD69-00066A	PAD;VP-D50(SHUFFLE),FCU7500,1t,24,	
XC01	2801-003652	CRYSTAL-SMD;8.192MHz,50ppm,28-ACl,12pF,5	
XC02	2801-003770	CRYSTAL-SMD;12.288MHZ,50PPM,28-ACl,12PF,	
XD01	2801-003424	CRYSTAL-SMD;41.85MHZ,50ppm,28-ACC,12pF,-	
XI01	2801-003768	CRYSTAL-SMD;24.576MHZ,40PPM,28-ACO,7.5PF	
XS01	2804-001309	OSCILLATOR-CLOCK;54MHZ,20PPM,10TTL & CMO	
	ASSY-CCD BOARD		
CC01	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CC02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC03	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CC04	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
CC05	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC06	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CC09	2203-001660	C-CERAMIC,CHIP;0.004nF,0.25pF,16V,Y5V,TP	
CNC01	3711-004222	CONNECTOR-HEADER;BOX,20P,2R,0.5mm,SMD-S,	
DC01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
ICC01	0605-001028	CCD;B/W,DIP,14P,400MIL,810K,3.85x3	

Loc. No	Part No	Desc & Spec	Remark
QC01	0505-000180	FET-SILICON;2SK1070PIETR,-,150MW,SOT	
RC01	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC02	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RC03	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
	ASSY-LCD BOARD		
CL101	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL102	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL104	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL107	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CL110	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CL111	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL137	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CL138	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL148	2301-001108	C-FILM,CHIP;22nF,5%,50V,TP,3.2x2.5x1.4,3	
CL150	2203-005040	C-CERAMIC,CHIP;0.012nF,5%,3kV,NP0,TP,452	
CL157	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL158	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL160	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
CL161	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL201	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL202	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL203	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
CL204	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL207	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL208	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL209	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
CL210	2404-000335	C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216	
CL211	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL212	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
CL213	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL214	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL215	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL216	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL217	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL218	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL219	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL221	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL224	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL225	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL226	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL227	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL228	2203-005105	C-CERAMIC,CHIP;0.68nF,5%,50V,NP0,TP,1608	
CL229	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL230	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL231	2203-001071	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,160	
CL232	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL233	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
CL234	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL235	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL236	2203-001697	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,160	
CL237	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL239	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CL240	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
CL301	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL302	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL303	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL304	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
CL309	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL310	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CL311	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL312	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
CL313	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL314	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
CL316	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL317	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL318	2404-000128	C-TA,CHIP;10uF,20%,16V,-,TP,6032,-	
CL319	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL326	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL329	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
CL331	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CL331	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL342	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL343	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL344	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL401	2404-000286	C-TA,CHIP;10uF,20%,25V,-,TP,7343,4.4mm	
CL402	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL403	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL405	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
CL406	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
CL407	2203-001598	C-CERAMIC,CHIP;2200nF,+80-20%,16V,Y5V,TP	

Loc. No	Part No	Desc & Spec	Remark
CL408	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL409	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL410	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL412	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL413	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CNL101	3711-004153	CONNECTOR-HEADER;BOX,14P,1R,1mm,SMD-A,SN	
CNL102	3708-001334	CONNECTOR-FPC/FC/PIC;10P,0.8mm,SMD-A,SN	
CNL301	3708-001340	CONNECTOR-FPC/FC/PIC;24P,0.5mm,SMD-A,SN	
DL302	0405-000123	DIODE-VARACTOR;1T369,34V,10nA,DSM,TP	
DL303	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DL304	0403-000649	DIODE-ZENER;RD5.1S,5.1V,4.96-5.22V,200mW	
ICL201	1002-001034	IC-D/A CONVERTER;M62352P,8BIT,SOP,20P,-,	
ICL202	1103-001010	IC-EEPROM;24C02,256x8BIT,SOP,8P,150MIL,1	
ICL203	1204-001321	IC-VIDEO PROCESS;IR3Y29BM,QFP,48P,286MIL	
ICL301	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
ICL303	AD13-00002A	IC-DRIVE;-,UPS015,TQFP,48P,-	
ICL401	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
ICL402	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
ICL403	AC14-12012T	IC-OP AMP;TA75S01F(TE85L),QFP,-	
LL102	2703-000407	INDUCTOR-SMD;330uH,10%,3.2x2.5x2.2mm	
LL104	2703-000411	INDUCTOR-SMD;4.7uH,20%,3.2x2.5x2.2mm	
LL105	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL109	2703-001196	INDUCTOR-SMD;150uH,20%,7x7x3.2mm	
LL115	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL201	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL202	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL205	AD27-00002A	COIL-TRAP;5CDM,-,Q1C,M7N,-,SUMIKASUPER-E	
LL301	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL302	2703-000365	INDUCTOR-SMD;15uH,5%,2.5x2x1.8mm	
LL304	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL306	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL307	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL401	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL402	2703-001571	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
QL103	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QL108	0502-000435	TR-POWER;2SD1898Q,NPN,500MW,SOT-89,TP,1	
QL109	0502-000435	TR-POWER;2SD1898Q,NPN,500MW,SOT-89,TP,1	
QL110	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
QL111	0506-000149	TR-ARRAY;UMX1N,NPN/PNP,1,50V,40V,100MA,	
QL112	0501-002171	TR-SMALL SIGNAL;KTA2014,PNP,100mW,SOT-32	
QL113	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
QL114	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
RL136	2007-000516	R-CHIP;2.7Kohm,1%,1/16W,DA,TP,1608	
RL137	2007-000516	R-CHIP;2.7Kohm,1%,1/16W,DA,TP,1608	
RL140	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RL141	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
RL142	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL202	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL203	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL207	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL208	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL209	2007-001114	R-CHIP;680Kohm,5%,1/16W,DA,TP,1608	
RL210	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608	
RL212	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL215	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	
RL216	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608	
RL218	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
RL221	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RL222	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
RL223	2007-000939	R-CHIP;47Kohm,1%,1/16W,DA,TP,1608	
RL224	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL225	2007-000939	R-CHIP;47Kohm,1%,1/16W,DA,TP,1608	
RL226	2007-001038	R-CHIP;56Kohm,1%,1/16W,DA,TP,1608	
RL233	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RL234	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
RL235	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RL236	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL237	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL238	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL239	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RL240	2007-000305	R-CHIP;10Mohm,5%,1/16W,DA,TP,1608	
RL241	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
RL242	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
RL243	2007-007703	R-CHIP;5.6MOHM,5%,1/16W,DA,TP,1608	
RL244	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RL245	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RL246	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
RL247	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL248	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL250	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Desc & Spec	Remark
RL251	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL261	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL262	2007-001007	R-CHIP;51Kohm,1%,1/16W,DA,TP,1608	
RL263	2007-000651	R-CHIP;27Kohm,1%,1/16W,DA,TP,1608	
RL271	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL276	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL301	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	
RL302	2007-000828	R-CHIP;39Kohm,1%,1/16W,DA,TP,1608	
RL303	2007-000736	R-CHIP;30Kohm,1%,1/16W,DA,TP,1608	
RL304	2007-000060	R-CHIP;100Kohm,1%,1/16W,DA,TP,1608	
RL305	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL307	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RL308	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RL309	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RL310	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL311	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RL312	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
RL313	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RL314	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL315	2007-000063	R-CHIP;150Kohm,1%,1/16W,DA,TP,1608	
RL316	2007-001206	R-CHIP;82Kohm,1%,1/16W,DA,TP,1608	
RL317	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
RL318	2007-000772	R-CHIP;33Kohm,1%,1/16W,DA,TP,1608	
RL322	2007-000999	R-CHIP;510ohm,1%,1/16W,DA,TP,1608	
RL332	2007-000066	R-CHIP;20Kohm,1%,1/16W,DA,TP,1608	
RL333	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
RL334	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL401	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RL403	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL404	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL405	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL406	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL407	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL408	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL409	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL410	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL411	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL412	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL413	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL414	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL415	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL416	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL417	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL418	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RL419	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL420	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL421	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RL422	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RL423	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL424	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RL425	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RL426	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RL427	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL428	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL429	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL430	2007-000651	R-CHIP;27Kohm,1%,1/16W,DA,TP,1608	
RL431	2007-000736	R-CHIP;30Kohm,1%,1/16W,DA,TP,1608	
RL432	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RL433	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL434	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RL435	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL436	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
SW101	3403-000126	SWITCH-PUSH;12V,100MA,-,-	
TL103	AD26-82001C	TRANS-INVERTER;12.4X11X3.4,6V,101KHZ,843	
XL201	2801-003126	CRYSTAL-SMD;4.433619MHz,30ppm,28-ABN,16p	
	ASSY-CONNECTION BOARD		
CNN01	3710-001466	CONNECTOR-SOCKET;20P,2R,0.5mm,SMD-S,AUF	
CNN02	3708-001397	CONNECTOR-FPC/FC/PIC;27P,0.3MM,SMD-A,SN	
CNN03	3711-004283	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,SMD-A,	
RN01	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
	ASSY-CVF BOARD		
CNV01	3708-001130	CONNECTOR-FPC/FC/PIC;12P,0.5mm,SMD-S,SN	
CNV02	3708-000514	CONNECTOR-FPC/FFC/PIC;16P,0.5mm,SMD-S,SN	
CNV03	3711-000862	CONNECTOR-HEADER;BOX,3P,1R,1.25mm,SMD-A,	
CV03	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV05	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV09	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
CV10	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
CV11	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
CV13	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	

Loc. No	Part No	Desc & Spec	Remark
CV14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV15	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV16	2203-001140	C-CERAMIC,CHIP;68nF,10%,16V,X7R,TP,1608,	
CV17	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
CV18	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	
CV19	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
CV20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV21	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	
CV23	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV25	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
CV26	2404-000251	C-TA,CHIP;470nF,20%,35V,-,TP,3216,-	
CV27	2404-000335	C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216	
CV28	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CV29	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
CV30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV31	2203-001683	C-CERAMIC,CHIP;0.068nF,5%,50V,NP0,TP,160	
CV32	2404-001131	C-TA,CHIP;22UF,10%,10V,GP,TP,3528	
CV33	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV36	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CV37	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CV38	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV39	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV42	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV43	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
CV50	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CV51	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV52	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CV60	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV73	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216,-	
CV74	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CV75	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
DV01	0405-000123	DIODE-VARACTOR;1T369,34V,10nA,DSM,TP	
DV02	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
ICV01	1003-001168	IC-LCD DRIVER;CXA2503AR,QFP,64P,400MIL,T	
ICV02	1103-001010	IC-EEPROM;24C02,256x8BIT,SOP,8P,150MIL,1	
ICV04	0801-000301	IC-CMOS LOGIC;TC7W04FU(TE12L),8P,150MI	
LV03	2703-000363	INDUCTOR-SMD;10uH,5%,2.5x2x1.8mm	
LV04	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	
LV06	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LV11	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	
LV12	2703-000366	INDUCTOR-SMD;22uH,5%,2.5x2x1.8mm	
QV02	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100mA,	
QV05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
RV01	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RV02	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RV07	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RV08	2007-000637	R-CHIP;270Kohm,5%,1/16W,DA,TP,1608	
RV09	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RV10	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
RV14	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RV16	2007-001157	R-CHIP;750ohm,5%,1/16W,DA,TP,160	
RV18	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RV19	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RV20	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RV21	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RV30	2007-000512	R-CHIP;2.4Kohm,5%,1/16W,DA,TP,1608	
RV32	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	
RV34	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RV35	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RV40	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RV41	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RV51	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RV72	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RV73	2007-000067	R-CHIP;15Kohm,1%,1/16W,DA,TP,1608	
XV01	2801-003126	CRYSTAL-SMD;4.433619MHz,30ppm,28-ABN,16p	
	ASSY-FRONT BOARD		
CM01	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
JM01	3722-001435	JACK-PHONE;4P,3.6PI,AG,RED,-	
LM01	2703-001867	INDUCTOR-SMD;1UH,20%,2.5X2X1.8MM	
LM02	2703-001867	INDUCTOR-SMD;1UH,20%,2.5X2X1.8MM	
LM03	2703-001867	INDUCTOR-SMD;1UH,20%,2.5X2X1.8MM	
MM01	AD59-00001A	MODULE-REMOCON;-,RS-171,38KHZ,-,-,-,REEL	
PM01	3708-001077	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
PM02	3711-000922	CONNECTOR-HEADER;BOX,4P,1R,1.25mm,SMD-A,	
QM01	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
RM01	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
RM02	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
	ASSY-ADAPTOR BOARD		
PC01	2201-000808	C-CERAMIC,DISC;2.2nF,10%,400V,Y5U,TP,12x	
PC02	2201-000808	C-CERAMIC,DISC;2.2nF,10%,400V,Y5U,TP,12x	

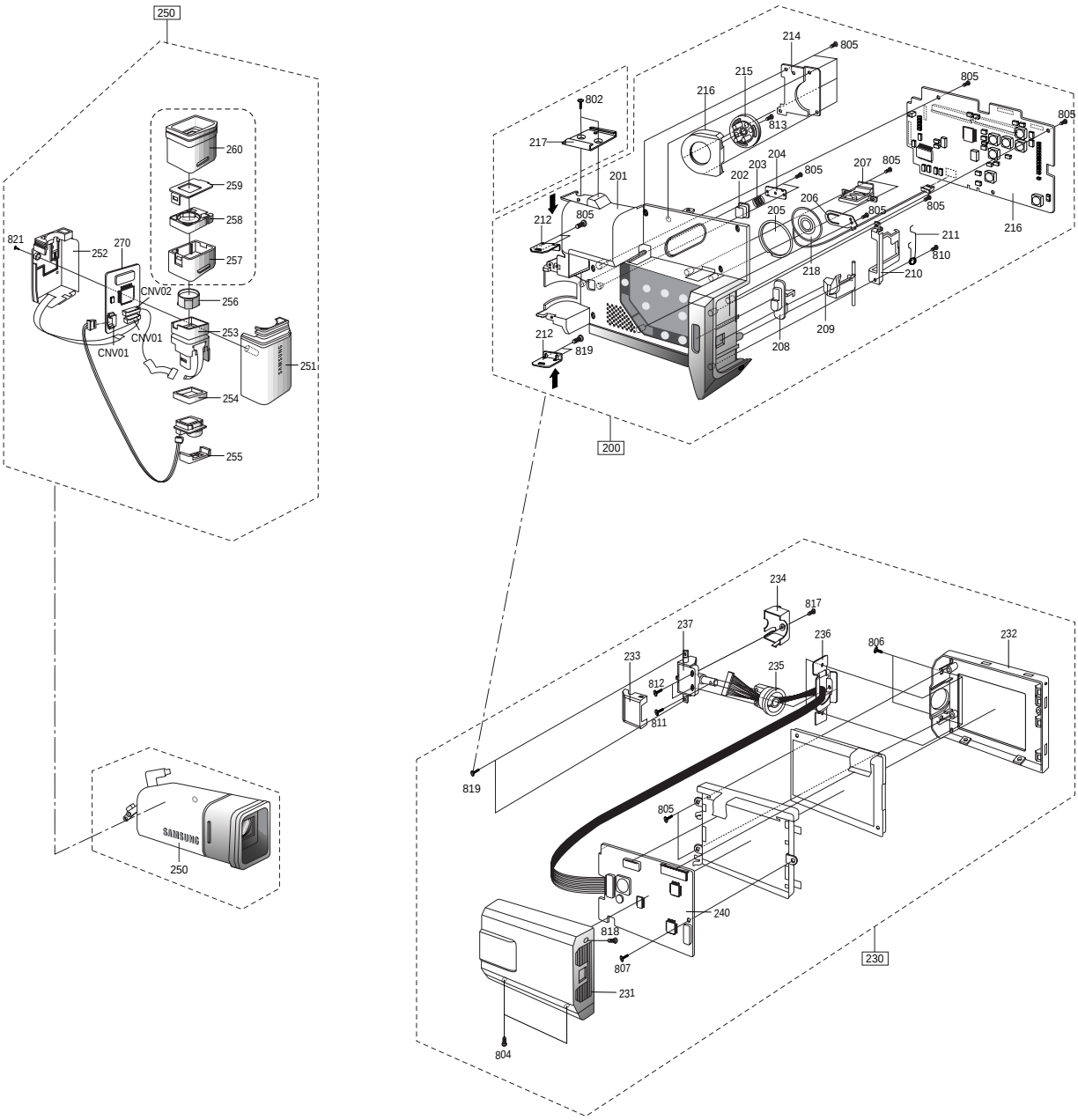
Loc. No	Part No	Desc & Spec	Remark
PC10	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	
PC11	2401-001567	C-AL;47uF,20%,400V,WT,-,18x20,10mm	
PC12	2301-000140	C-FILM,PEF;10nF,10%,630V,BK,16.5X9.5X5.7	
PC13	2401-000970	C-AL;22uF,20%,50V,WT,TP,5x11,5	
PC14	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC15	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC16	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
PC50	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
PC51	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
PC52	2401-000131	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
PC53	2401-001374	C-AL;470uF,20%,16V,WT,TP,10x12.5,2.	
PC54	2203-000481	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
PC55	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
PC56	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC57	2203-000481	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
PC60	2404-000198	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
PC61	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC62	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC63	2404-000238	C-TA,CHIP;4.7uF,20%,20V,-,TP,3528,-	
PC64	2203-000222	C-CERAMIC,CHIP;100nF,20%,50V,Z5U,TP,2012	
PC65	2203-000481	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
PCN10	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
PCN51	3711-002127	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	
PCN52	3711-002127	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	
PD10	0402-000386	DIODE-BRIDGE;S1WB60,600V,1A,DIP-4	
PD11	0402-000391	DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
PD12	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800mA,DO	
PD13	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800mA,DO	
PD50	0404-000135	DIODE-SCHOTTKY;ESAC85M-009,90V,10A,TO-22	
PD51	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	
PD52	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
PD53	0401-000170	DIODE-SWITCHING;MA110,40V,100mA,-,3nS,SM	
PF10	3601-000402	FUSE-CARTRIDGE;250V,1.25A,SLOW-BLOW,GLAS	
PIC1	1203-001730	IC-PWM CONTROLLER;STR-G6153,TO-220,5P,22	
PIC2	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP-4,ST	
PIC3	AC14-12003Z	IC-FP;NJM2902M,TE2,-	
PIC4	AC14-12012F	IC;S-8420BF-T1,SOP,-	
PIC5	AD09-00006A	IC-MICOM;PIC16C72-04/SO,28PIN,STICK,CHAR	
PJ01	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
PJ02	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	

Loc. No	Part No	Desc & Spec	Remark
PJ03	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
PJA50	3722-000465	JACK-DC POWER;1P/1C,PI4.4,AG,BLK,-	
PL10	AC29-30050A	FILTER-LINE NOISE;-,400UH,-,250V,-	
PL50	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
PL51	AC27-12001F	COIL-CHOKE;100UH,J,-,-,-,100UH-J RA 1KHZ	
PLED50	0601-000208	LED;CHIP,RED,1.5X2mm,660nm	
PLED51	0601-000208	LED;CHIP,RED,1.5X2mm,660nm	
PQ50	0502-000399	TR-POWER;2SB1127S,PNP,-25V,-20V,-5A,1W,	
PQ52	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ53	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K/47K,SOT	
PQ54	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ55	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K/47K,SOT	
PQ56	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ57	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K/47K,SOT	
PQ58	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ59	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ60	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PQ61	0504-000129	TR-DIGITAL;KSR1104,NPN,200MW,47K/47K,SOT	
PR10	2001-000474	R-CARBON;2.7MOHM,5%,1/4W,AA,TP,2.4X6.4M	
PR11	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.	
PR12	2007-001212	R-CHIP;82Kohm,5%,1/8W,DA,TP,3216	
PR13	2007-001212	R-CHIP;82Kohm,5%,1/8W,DA,TP,3216	
PR14	2007-001212	R-CHIP;82Kohm,5%,1/8W,DA,TP,3216	
PR15	2007-001212	R-CHIP;82Kohm,5%,1/8W,DA,TP,3216	
PR16	2003-000307	R-METAL OXIDE;47Kohm,5%,2W,AD,TP,6x16mm	
PR17	2003-000111	R-METAL OXIDE;0.47ohm,5%,1W,AD,TP,4.3x12	
PR18	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
PR50	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
PR51	2007-000515	R-CHIP;2.7KOHM,1%,1/10W,DA,TP,2012	
PR52	2003-000102	R-METAL OXIDE;0.1ohm,5%,1W,AD,TP,4.3x12m	
PR53	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
PR54	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
PR55	2007-000515	R-CHIP;2.7KOHM,1%,1/10W,DA,TP,2012	
PR56	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
PR57	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
PR58	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
PR59	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
PR60	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
PR61	2007-000856	R-CHIP;4.3KOHM,1%,1/10W,DA,TP,2012	
PR62	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	

Loc. No	Part No	Desc & Spec	Remark
PR63	2007-000352	R-CHIP;12KOHM,1%,1/10W,DA,TP,2012	
PR64	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
PR65	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
PR66	2007-000342	R-CHIP;120OHM,1%,1/10W,DA,TP,2012	
PR67	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
PR68	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
PR69	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
PR70	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
PR71	2007-000639	R-CHIP;270OHM,1%,1/10W,DA,TP,2012	
PR72	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
PR73	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
PR74	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
PR75	2007-000465	R-CHIP;1KOHM,1%,1/10W,DA,TP,2012	
PR76	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
PR77	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
PR78	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
PR79	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
PR80	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR81	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR82	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR83	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR84	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
PR85	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
PR86	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
PR87	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
PR88	2007-000406	R-CHIP;15KOHM,1%,1/10W,DA,TP,2012	
PR89	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR90	2007-000978	R-CHIP;5.6KOHM,1%,1/10W,DA,TP,2012	
PR92	2007-000650	R-CHIP;27KOHM,1%,1/10W,DA,TP,2012	
PR93	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
PT10	AD26-80100A	TRANS-POWER;20x15,90/240V,50~60Hz,AA-E5	
PVA10	1405-000186	VARISTOR;470V,4500A,17x12mm,TP	
PVR50	2104-000115	VR-SMD;1Kohm,25%,0.15W,TOP	
PWR1	AC39-12022M	POWER-CORD;CP2,KJ-0201,BLK,YH396-32V,1.8	
PXT50	2802-001074	RESONATOR-CERAMIC;4MHz,0.3%,TP,9.5x5x6.5	
PZD50	0403-000649	DIODE-ZENER;RD5.1S,5.1V,4.96-5.22V,200mW	

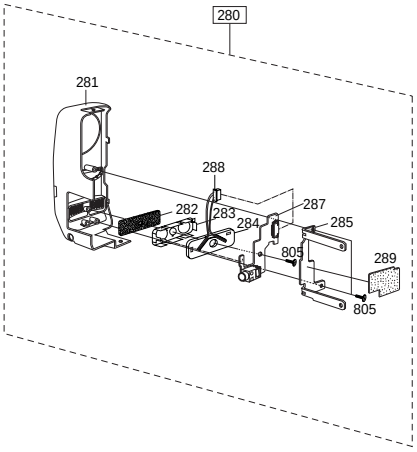
Loc. No	Part No	Desc & Spec	Remark

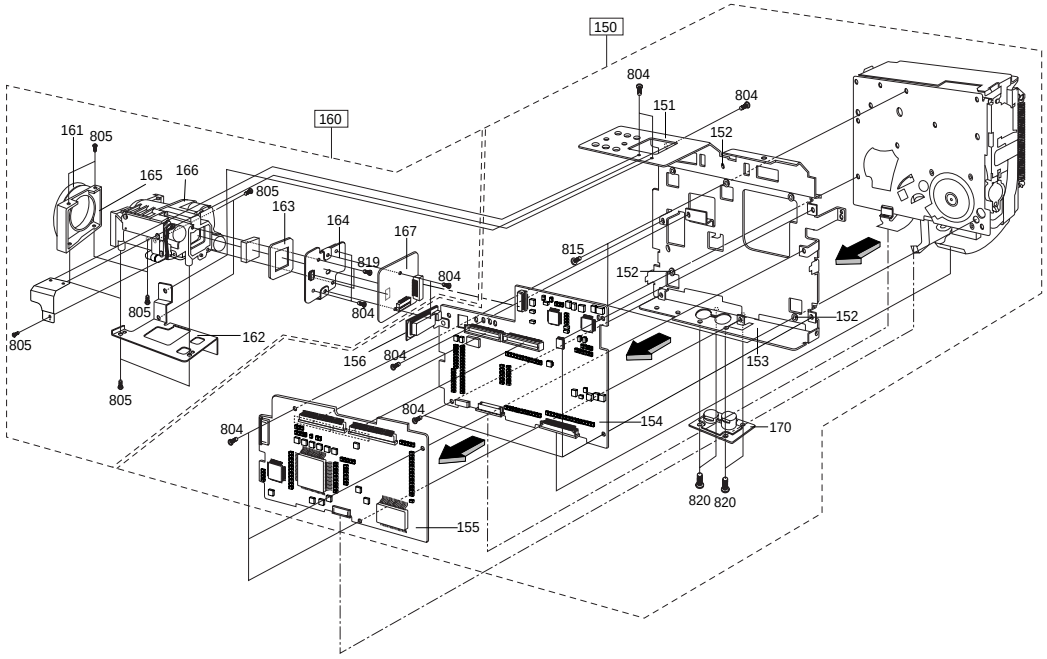
4-1. Cabinet Assembly (1)



Loc. No	Parts No	Description and Specification	Remark
ASSY-CVF			
250	AD97-00070A	ASSY-CASE CVF;VP-D50,ASS'Y,-	
251	AD97-00696A	ASSY-CASE CVF L;VP-D50,-,-	
252	AD97-00695A	ASSY-CASE CVF R;VP-D50,-,-	
253	AD61-00003A	HOLDER-LCD;-,ABS 94 V0,-,BLACK,-,VP-D50	
254	AD61-50708A	GUIDE-LIGHT;-,ABS94VO,-,T1.5,BLK,-,SV-S9	
255	AD61-21045A	HOLDER-LIGHT;-,ABS94,HB,BLK,-,SV-S99	
256	AD61-00006A	HOLDER-LENS G2;-,ABS94 HB,-,BLACK,-,VP-D	
257	AD64-00006A	CASE--EVF LENS;-,PC+ABS,-,1.2,32*25.4*17	
258	AD61-00005A	HOLDER-LENS G1;-,ABS94 HB,-,BLACK,-,VP-D	
259	AD63-00006A	COVER--KNOB;-,ABS94 HB,-,1.0,-,-,-,VP-D5	
260	AD73-00001A	RUBBER-EYE CUP;SILICONE,29.2X36X28.9,VP-	
270	AD90-10850R	ASSY-CVF BOARD;VP-D50,PAL	
821	6003-001143	SCREW-TAPTITE;PH,+,B,M1.7,L6,NI PLT,SWRC	
CNV01	3708-001130	CONNECTOR-FPC/FC/PIC;12P,0.5mm,SMD-S,SN	
CNV02	3708-000514	CONNECTOR-FPC/FFC/PIC;16P,0.5mm,SMD-S,SN	
ASSY-LEFT			
200	AD97-00357A	ASSY-CASE LEFT;VP-D50,ASSY,-	
201	AD64-00011A	CASE--LEFT;-,EMI-RESIN(PC/ABS),-,1.5,117	
202	AD64-00020A	BUTTON--LCD;-,POM,-,BLK,-,VP-D50	
203	AD61-00030A	SPRING--LCD;-,-,SWPB,4,0.45,-,VP-D50	
204	AD61-00027A	BRACKET--PUSH LCD;-,SECC,-,0.5,-,-,VP-D5	
205	AD73-00004A	RUBBER--SPEAKER;IIR,22,VP-D50,-	
206	AD61-00025A	BRACKET--SPEAKER;-,STS301-1/2H,-,0.5,-,-	
207	AD61-00007A	HOLDER-LOCK EVF;-,POM,-,WHITE,-,VP-D50	
208	AD64-00019A	KNOB--LCD LOCK;-,ABS94HB,-,BLK,-,VP-D50	
209	AD66-00005A	SLIDER--LCD LOCK;-,POM,-,-,BLK,VP-D50	
210	AD61-00021A	HOLDER--LCD LOCK;-,POM,-,BLK,-,VP-D50	
211	AD61-00303A	SPRING--LCD/LOCK;-,SUS304,-,TWIST,0.55,	
212	AD61-00094A	BRACKET-HINGE SHAFT;-,STS301,-,0.8,-,-,	
214	AD63-00010A	COVER--EVF HINGE;-,STS301-3/4H,-,0.5,-,-	
215	AD61-70088A	RAIL-LOCK;-,ABS94,HB,-,BLK,-,-	
216	AD41-00025A	FPC;POLYIMIDE,125UM,14P,VP-D50,FPC-MIC	
216	AD99-90009B	ASSY-ANALOG,m;VP-D50,ANALOG,NTSC/PAL	
217	AD61-21009B	HOLDER-ACC. SHOE;-,SECC T0.8,-,WHT,-,SV-	
218	AD97-00704A	ASSY-SPEAKER;VP-D50,-,ASSY SPEAKER	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
810	6009-001076	SCREW-SPECIAL;SWRCH18A,-,CH,+,M1.7,L5.8(	
813	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	
819	6002-001085	SCREW-TAPPING;CH,+,S,M1.7,L5,ZPC(BLK),SW	
ASSY-LCD			
230	AD97-00069A	ASSY--CASE LCD;VP-D50,ASS'Y,-	
231	AD64-00001A	CASE--LCD TOP;-,EMI RESIN,-,1.5,83*57*16	
232	AD64-00002A	CASE--LCD BOTTOM;-,ABS94HB,-,1.5,80.9*46	
233	AD63-00002A	COVER-HINGE TOP;-,ABS94 HB,-,1.0,GRY,-,-	
234	AD63-00003A	COVER;-,ABS94 HB,-,1.0,GRY,-,-,VP-D50	
235	AD61-00002A	HOLDER-RING LCD;-,POM,-,BLACK,-,-	
236	AD61-00001A	BRACKET--CASE LCD;-,SUS 304 1/2H T1.0,-,	
237	AD97-00068A	ASSY-HINGE;VP-D50,ASS'Y,-	
240	AD90-10850U	ASSY-LCD BOARD;VP-D50,PAL	
804	AC60-10028A	SCREW-MACHINE;BH,+,M1.7,X3,ZPC,FE,-,-,-	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
806	AD60-00007A	SCREW-MACHINE;BH,FE,-,-,-,-,+,-,WHT	
807	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
811	AD60-10500D	SCREW-MACHINE;-,BWSH,+,UP,M2,L7,ZPCNYLOK	
812	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
817	AC60-10061B	SCREW-TAPPING;-,BH,-,M2,L5,WHT	
818	6001-000805	SCREW-MACHINE;CH,+,M1.7,L3,NI PLT,SWRCH1	
819	6002-001085	SCREW-TAPPING;CH,+,S,M1.7,L5,ZPC(BLK),SW	

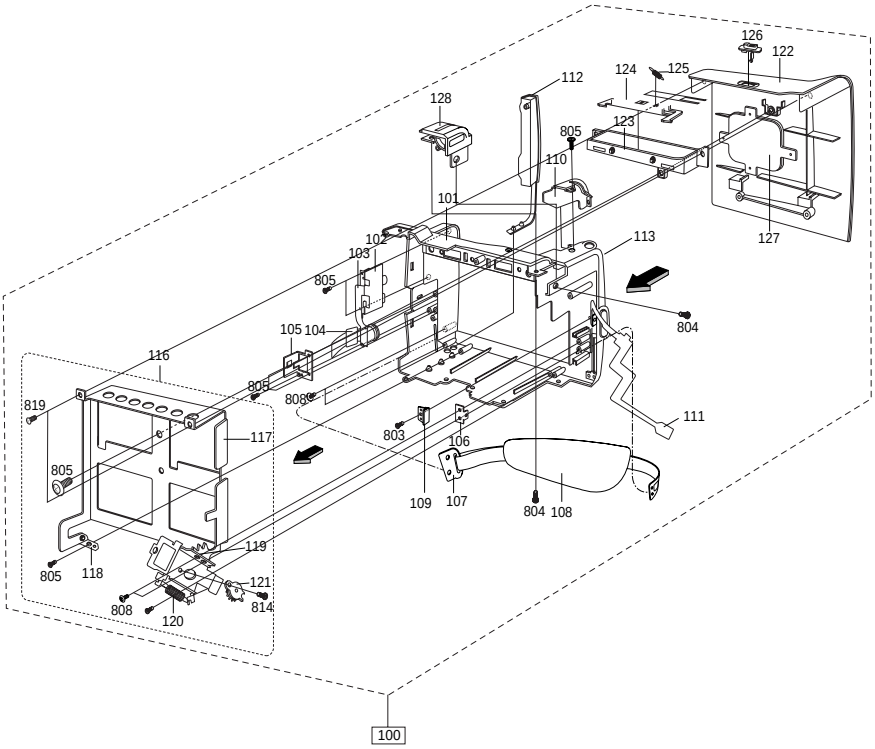
4-2. Cabinet Assembly (2)

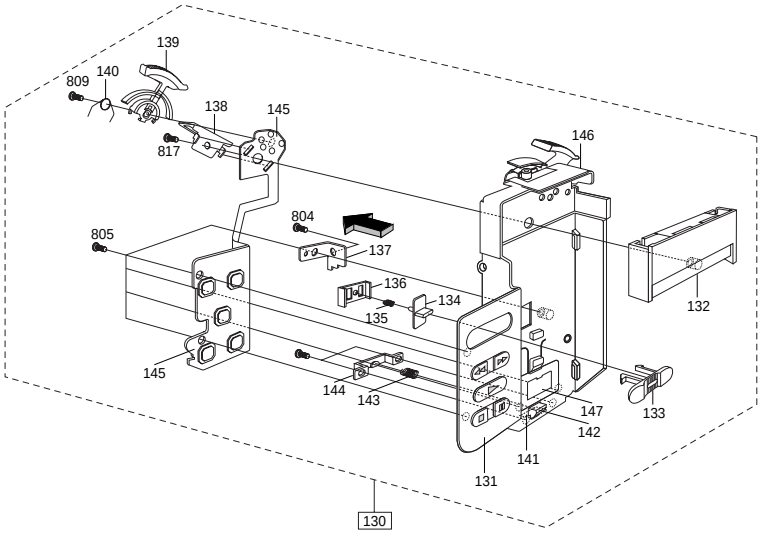




Loc. No	Parts No	Description and Specification	Remark
ASSY-FRONT			
280	AD97-00358A	ASSY-CASE FRONT;VP-D50,ASSY,-	
281	AD64-00012A	CASE-FRONT;-,EMI-RESIN(PC/ABS),-,1.5,92X	
282	AD63-00012A	SHEET--MIC;-,SPONGE,1,15,9.5,WHT,VP-D50,	
283	AD63-00024A	GRILLE--MIC;-,C5120,-,0.15,-,-,VP-D50	
284	AD73-00005A	RUBBER--CELL;IIR,5,VP-D50,-	
285	AD61-00028A	BRACKET--FRONT;-,SECC,-,0.8,-,-,VP-D50,-	
287	AD97-00706A	ASSY-MIC PCB;VP-D50,-,ASSY MIC PCB	
288	AD97-00705A	ASSY-MIC;VP-D50,-,ASSY MIC	
289	AD69-00100A	PAD--MIC;VP-D50,EPDM,1,36,25,BLK,-,-	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
ASSY-LENS			
160	AD97-00714A	ASSY-LENS;VP-D50,-,ASSY-LENS	
161	AD67-00005A	LENS--HOOD;-,-,AL,-,-,-,VP-D50	
162	AD61-00014A	BRACKET--LENS;-,SUS304 1/2H,-,0.5T,-,-,	
163	AD73-00003A	RUBBER-CCD;SILLICON,12.4*12.4*1.4,VP-D50	
164	AD61-00013A	PLATE-CCD;-,AL (A5052),1.2,-,VP-D50	
165	AD61-00017A	HOLDER--LENS HOOD;-,PC BLK,-,-,-,VP-D50	
166	AD90-10852B	ASSY-LENS ZOOM X11;VP-D50,CANON LENS X11	
167	AD99-90001Q	ASSY-CCD BOARD,m;VP-D50,PAL	
804	AC60-10028A	SCREW-MACHINE;BH,+,M1.7,X3,ZPC,FE,-,-,-	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
819	6002-001085	SCREW-TAPPING;CH,+,S,M1.7,L5,ZPC(BLK),SW	
ASSY-CHASSIS			
150	AD97-00254A	ASSY--CHASSIS;VP-D50,ASSY,-	
151	AD97-01315A	ASSY-CHASSIS-MAIN;VP-D50,SECC,T 0.8	
152	AD73-00006A	RUBBER--GUIDE DECK;BUTHYL RUB,-,VP-D50,-	
153	AD61-00064A	PLATE-BOTTOM;-,SUS 304,0.8,-,VP-D50	
154	AD97-00109A	ASSY--MICOM/CAMERA;VP-D50,-,MICOM/CAMERA	
155	AD99-40002P	ASSY-MAIN BOARD,c;VP-D50,DVC-2-PAL CONTR	
156	AD97-01596A	ASSY-GYRO;VP-D50,NTSC/PAL,GYRO	
170	AD61-00117A	BASE-TRIPOD;-,AL-DIECASTING,-,BLK,-,VP-D	
804	AC60-10028A	SCREW-MACHINE;BH,+,M1.7,X3,ZPC,FE,-,-,-	
815	AC60-10048A	SCREW-TAPPING;BH,+,-,M1.1,X5,SPC2	
820	6001-001291	SCREW-MACHINE;CH(0.5),*,M1.7,L4,NI PLT,S	

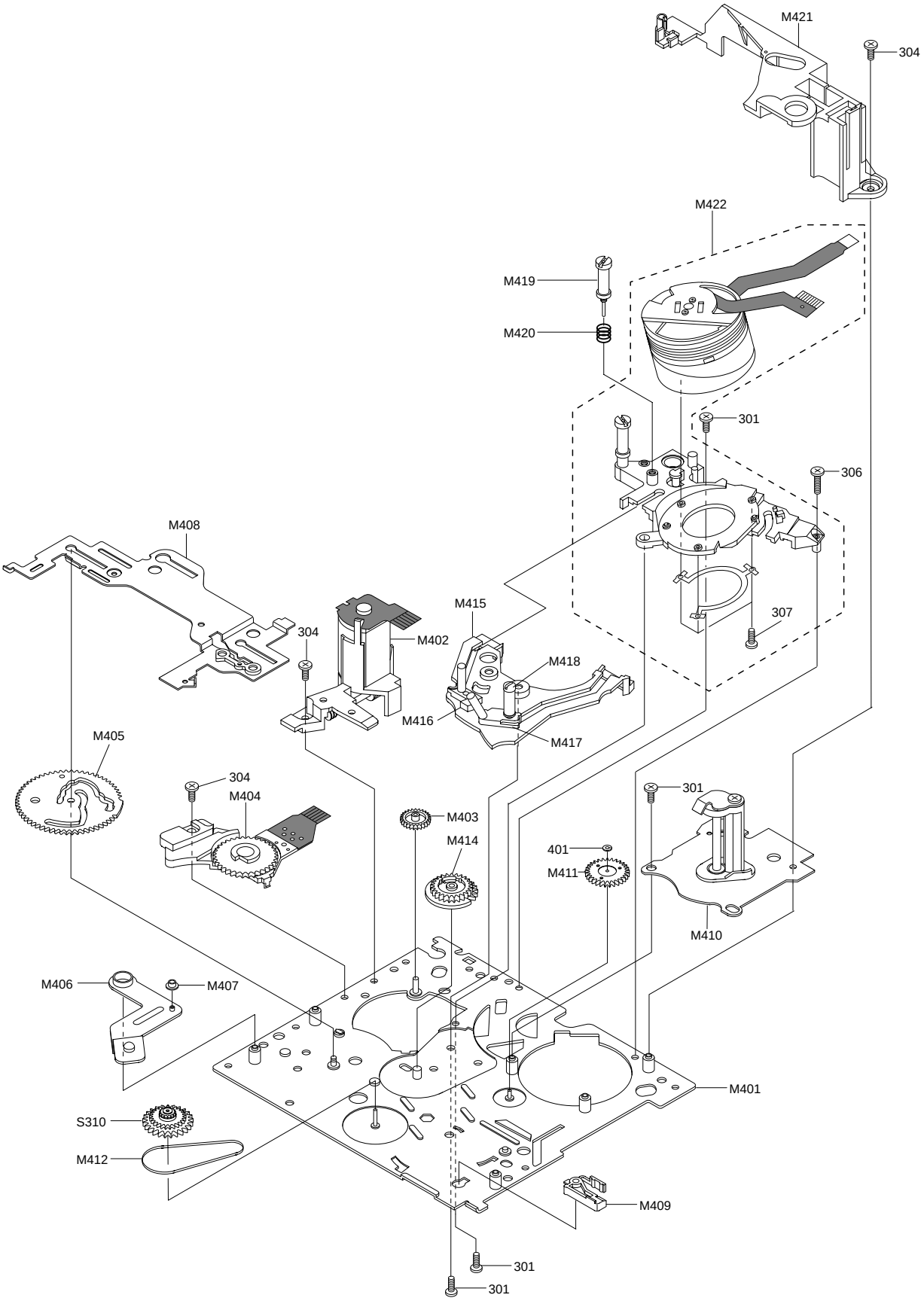
4-3. Cabinet Assembly (3)





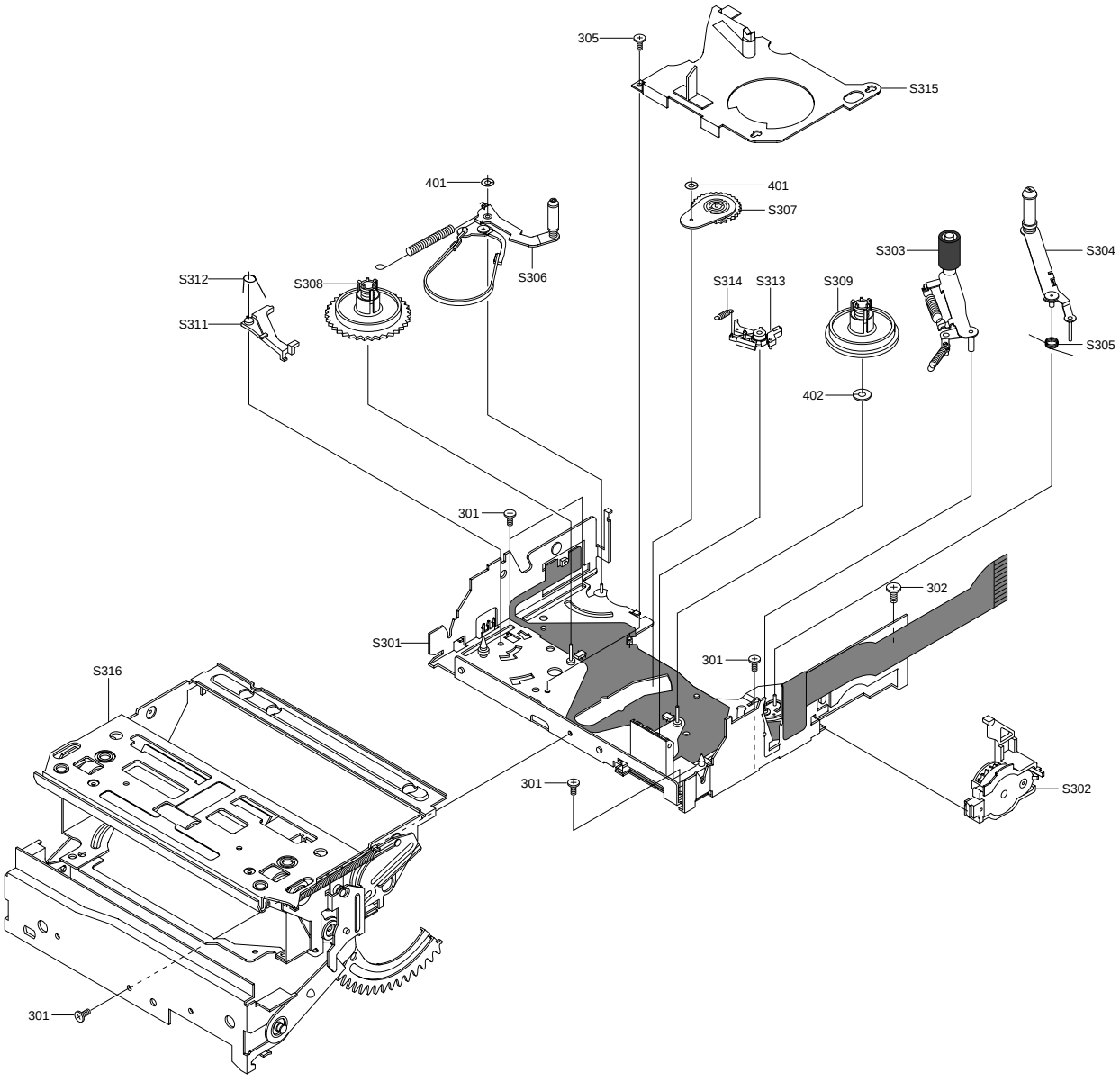
Loc. No	Parts No	Description and Specification	Remark
ASSY-RIGHT			
100	AD97-00253A	ASSY--CASE RIGHT;VP-D50,ASSY,-	
101	AD64-00023A	CASE--RIGHT;-,EMI-RESIN(PC/ABS),-,1.5,-,	
102	AD61-00040A	BRACKET--A/V JACK;-,SUS,-,-,-,-,VP-D50,-	
103	AD97-00709A	ASSY-FPC JACK;VP-D50,-,ASSY FPC-JACK	
104	AD64-00030A	INDICATOR-LED;-,PMMA,-,-,-,-,VP-D50	
105	AD61-00043A	BRACKET--LED;-,SUS,-,-,-,-,VP-D50,-	
106	AD61-00044A	PLATE--BELT GRIP;-,SUS,-,-,VP-D50	
107	AD61-00039A	BRACKET--BELT GRIP;-,SUS,-,-,-,-,VP-D50,	
108	AD97-00711A	ASSY-BELT/GRIP;VP-D50,-,-	
109	AD61-00036A	SUPPORT--REC START/STOP;-,ABS 94-HB,-,-,	
110	AD63-00008A	COVER-;-,EMI-RESIN,-,1.5,-,-,-,VP-D50	
111	AD97-00710A	ASSY-FPC EJECT;VP-D50,-,ASSY FPC-EJECT	
112	AD63-00020A	COVER--JACK;-,LDPE,-,1.0,BLK,-,-,VP-D50	
113	AD64-00023A	CASE-RIGHT;-,EMI-RESIN(PC/ABS),-,1.5,-,	
116	AD97-00697A	ASSY-BRACKET HOUSING;VP-D50,-,-	
117	AD61-00038A	BRACKET--HOUSING;-,SUS,-,-,-,-,VP-D50,-	
118	AD61-00041A	BRACKET--COVER LEFT;-,SUS,-,-,-,-,VP-D50	
119	AD61-00042A	BRACKET--CCOVER RIGHT;-,SUS,-,-,-,-,VP-D	
120	AC61-60034A	SPRING-EJECT;CS,SUS 304,PI 0.25,D 3,L 9,	
121	AD97-00712A	ASSY-DAMPER;VP-D50,-,-	
122	AD63-00021A	COVER-HOUSING;-,EMI-RESIN,-,1.5,BLK,-,-,	
123	AD64-00027A	CASE--COVER;-,ABS 94-HB,-,-,-,-,-,VP-D50	
124	AD61-00035A	HOLDER--COVER LOCK;-,ABS 94-HB,-,-,-,VP-	
125	AD61-00045A	SPRING--COVER;-,-,SWPB,-,-,-,VP-D50	
126	AD64-00026A	KNOB--COVER LOCK;-,ABS 94-HB,-,-,-,VP-D50	
127	AD64-00024A	WINDOW--HOUSING;-,PMMA,-,1.0,WHT,-,VP-D50	
128	AD61-00047A	HOLDER--SHOULDER STRAP;-,SUS,-,-,-,VP-D50	
803	AD60-00016A	SCREW-TAPTITE;-,CH,-,-,1.7,3,-	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
808	AC60-12128A	SCREW-TAP TITE;CH;TAP1.7,X4,BLK	
813	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	
814	AC60-10018A	SCREW-MACHINE;BH,+,M2,X3,FZB,FE,UP,-,-	
819	6002-001085	SCREW-TAPPING;CH,+,S,M1.7,L5,ZPC(BLK),SW	
820	6001-001291	SCREW-MACHINE;CH(0.5),*,M1.7,L4,NI PLT,S	
ASSY-REAR			
130	AD97-00359A	ASSY--CASE REAR;VP-D50,ASSY,-	
131	AD64-00013A	CASE-REAR;-,EMI-RESIN(PC/ABS),-,1.5,85.4	
132	AD97-00288A	ASSY-BATTERY TERMIN;VP-D50,ASSY,-	
133	AD64-00015A	KNOB-POWER;-,SBA94HB,-,BLK,-,VP-D50	
134	AD61-00022A	STOPPER--POWER;-,ABS94HB,-,-,RED,VP-D50	
135	AD61-60601A	SPRING-KNOB POWER;-,-,SUS304 WPB,-,-,-,-	
136	AD61-00018A	HOLDER--POWER;-,POM,-,BLK,-,VP-D50	
137	AD61-00024A	BRACKET--DC JACK;-,SECC,-,0.8,-,-,VP-D50	
138	AD61-00023A	BRACKET--ZOOM;-,SECC,-,0.6,-,-,VP-D50,-	
139	AD64-00017A	KNOB--ZOOM;-,ABS94HB,-,BLK,-,VP-D50	
140	AD61-00029A	SPRING--ZOOM;-,TORSION,STS301,5.5,0.5,-,	
141	AD64-00016A	KNOB--BATTERY EJECT;-,ABS94HB,-,BLK,-,VP	
142	AD66-00004A	SLIDER--BATTERY EJECT;-,POM,-,-,BLK,VP-D	
143	AD61-60535A	SPRING-ADAPTER;-,TS,SUS304,-,-,AA-D1,-	
144	AD61-00019A	HOLDER--BATTERY EJECT;-,ABS94HB,-,BLK,-,	
145	AD97-00708A	ASSY-FPC VCR;VP-D50,-,ASSY FPC-VCR	
146	AD97-00707A	ASSY-FPC DC;VP-D50,-,ASST FPC-DC	
147	AD63-00009A	COVER--TEST;-,PVC,-,0.5,BLK,-,-,VP-D50	
804	AC60-10028A	SCREW-MACHINE;BH,+,M1.7,X3,ZPC,FE,-,-,-	
805	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,l4,-,FE,BLK	
809	AC60-10510A	SCREW-MACHINE;BH,M1.4,X5.5,ALK	
817	AC60-10061B	SCREW-TAPPING;-,BH,-,M2,L5,WHT	

4-4. Mechanical Parts (Main Chassis)



Loc. No	Parts No	Description and Specification	Remark
301	AC60-12113A	SCREW;FP,BH,+,M1.4,L2.2,S45C-HC	
304	AC60-12135A	SCREW;FP,PH,+,M1.4,L3.5,S45C-HC	
306	AD60-10513A	SCREW-MACHINE-COVER;-,BH,+,FP,M1.4,L6,-,	
307	AD60-00005A	SCREW-SET-BASE-DRUM;-,-,-,M1.4,-,-,-	
401	6031-001149	WASHER-PLAIN;POLYSLIDER,M0.8,ID0.85,OD2.	
M401	AD61-11013A	CHASSIS-MAIN ASSY;-,SUS+C3604BD,-,-,-,-,	
M402	AD61-21031A	HOLDER-LOADING ASSY;-,DURACON+MOTOR,-,-,	
M403	AD66-20564A	GEAR-WHEEL LOADING;-,DURACON(M90-44),M0.	
M404	AD34-22001B	SWITCH-MODE ASSY;DC5V,-,-,-,-,-,-,-	
M405	AD66-20567A	GEAR-CAM MAIN;-,SUS304,M0.5,Z39,-,-,-	
M406	AD66-30513A	LEVER-CAM;-,SUS304,T0.5,-,-,DD-C2R	
M407	AD66-42002A	ROLLER-CAM MAIN;SUS303,OD2.8,-,DD-C2R	
M408	AD66-80149A	SLIDER-MAIN;-,SUS304+POM,T0.4,-,-,DD-2	
M409	AD66-30501A	LEVER-EJECTOR;-,DURACOM(MS-02),-,-,-,DD-	
M410	AD31-12004A	MOTOR-CAPSTAN;DD-C2R,5VDC,+	
M411	AD66-20565A	GEAR-CAPSTAN;-,PA(1724K),M0.4,-,-,-,DD-C	
M412	AD66-62001A	BELT-TIMING;-,POLYURETHAN,-,-,L84,-,DD-C	
M414	AD66-20566A	GEAR-CONNECT LOADING;-,DURACON(MS-02),M0	
M415	AD61-50721A	GUIDE-RAIL ASSY;-,POM+SUS+SPRING,-,-,-,-	
M416	AD61-21032A	BASE-POLE S ASSY;-,ZDC+SUS303,-,-,-,DD-C	
M417	AD61-21033A	BASE-POLE T ASSY;-,ZDC+SUS303+C3604BD,-,	
M418	AD66-40164A	ROLLER-GUIDE T ASSY;-,POM+SUS+C3604BD,+,	
M419	AD66-40165A	ROLLER-GUIDE S ASSY;-,POM+SUS+C3604BD,+,	
M420	AD61-60582A	SPRING-GR(S);-,CS,SWPB,PI0.45,OD3.7,-,DD	
M421	AD61-21153A	HOLDER FPC;POM,NAT,DD-L	
M422	AD97-00011A	ASSY- - DRUM;DD-2,2HD,-	
S310	AD66-50101A	CLUTCH-ASSY;-,DURACON+FELT+POLY,-,DD-C2R	

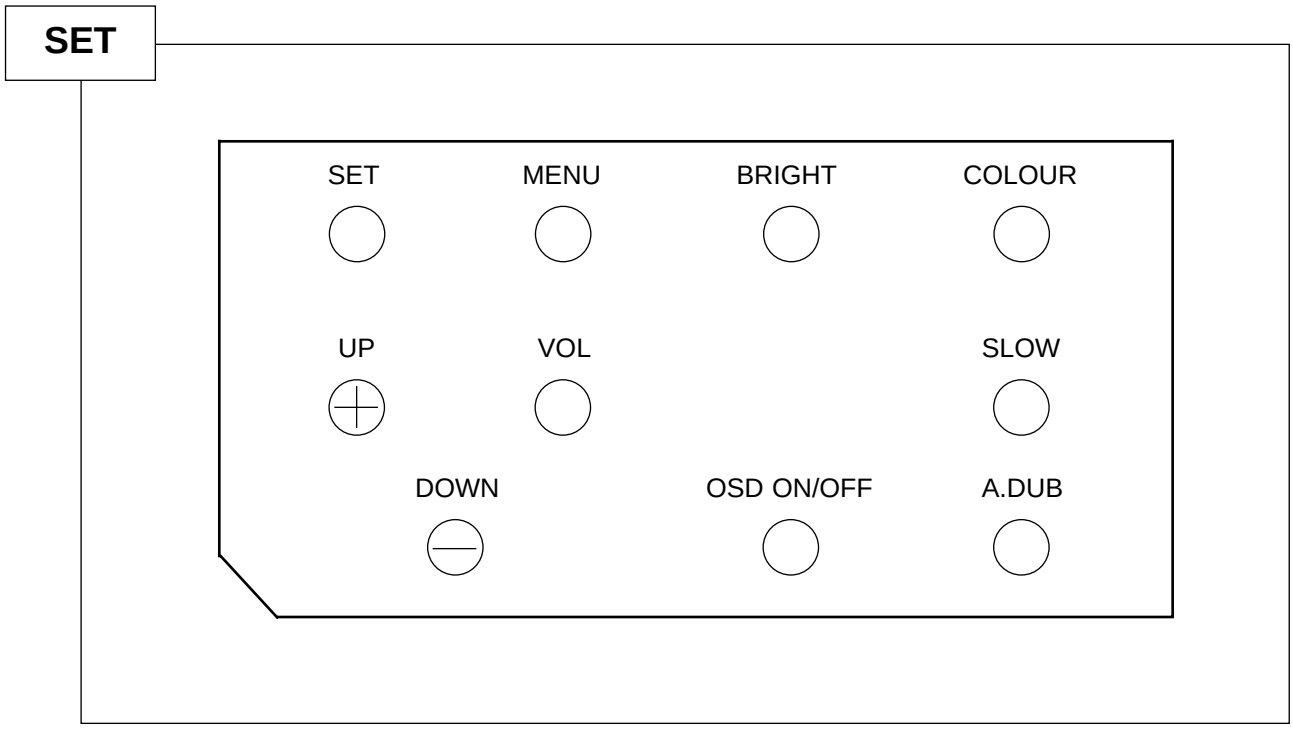
4-5. Mechanical Parts (Sub Chassis)

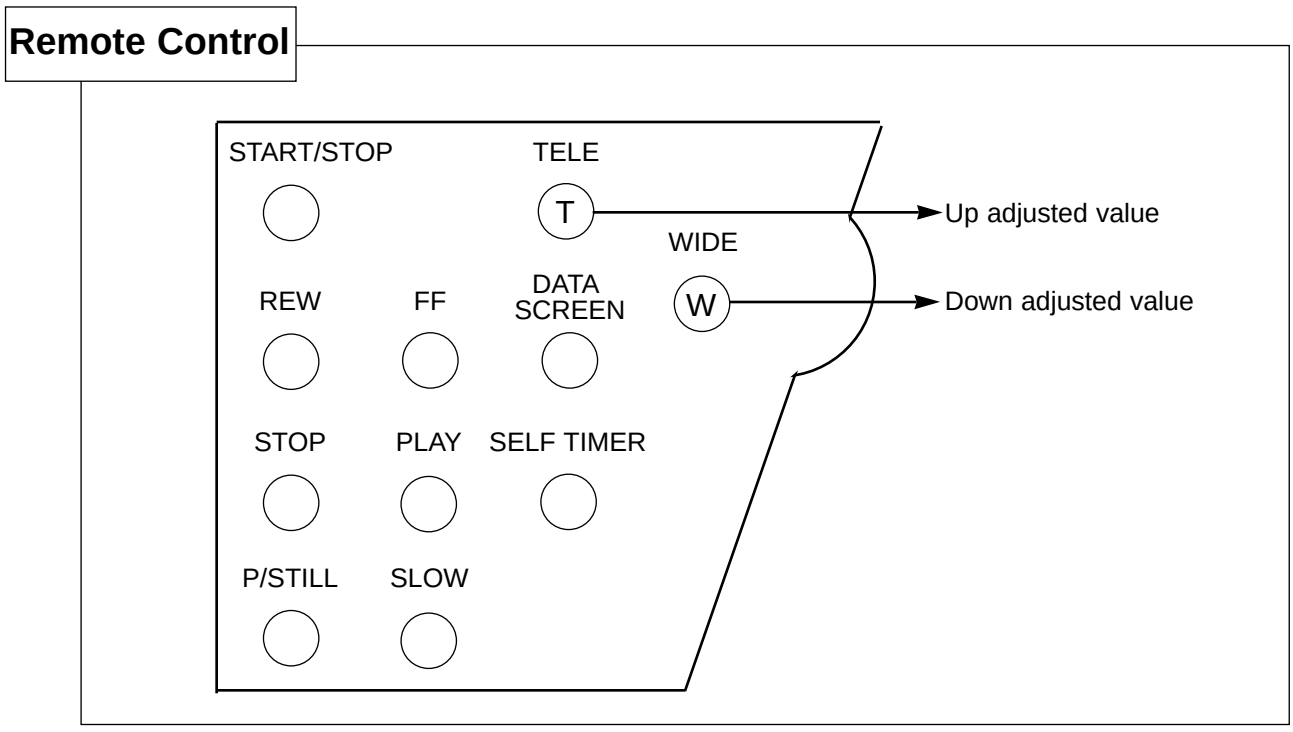


Loc. No	Parts No	Description and Specification	Remark
301	AC60-12113A	SCREW;FP,BH,+,M1.4,L2.2,S45C-HC	
302	AD60-12001B	SCREW-CAPSTAN;BH	
305	AC60-12111A	SCREW;FP,BH,+,M1.4,L1.2,S45C-HC	
401	6031-001149	WASHER-PLAIN;POLYSLIDER,M0.8,ID0.85,OD2.	
402	AD60-32004A	WASHER-PLAIN;-,-,ID1.4,OD3.0,T0.2,-,POLY	
S301	AD61-11011A	CHASSIS-SUB ASSY;-,SUS+C3604BD,-,-,-,-,D	
S302	AD63-30566A	COVER-DAMPER ASSY;-,POM+Y29TO-E,-,-,-,-,	
S302	AC61-82002A	DAMPER-HOUSING;Y29TO-E,-,14G,-,-,DE-6,-	
S303	AD66-30507A	ARM-PINCH R. ASSY;-,SUS304+POM,-,-,-,DD-	
S304	AD66-30512A	ARM-REVIEW ASSY;-,SUS304+SUS303,-,-,-,DD	
S305	AD61-60559A	SPRING-REVIEW ARM;	
S306	AD66-30511A	ARM-TENSION ASSY;-,SUS304+POM+FELT,-,-,-	
S307	AD66-10257A	IDLER-ASSY;-,DURACON+SUS303,-,DD-C2R	
S308	AD66-10255A	REEL-S ASSY	
S309	AD66-10256A	REEL-T ASSY;-,DURACON+SUS304,-,-,DD-C2R	
S311	AD66-30598A	BRAKE-S ASSY;-,NYLON,SUS,-,-,-,DD-2	
S312	AD61-60581A	SPRING-BRAKE(S);-,TS,SWPB,0.4,3.0,-,DD-2	
S313	AD66-30504A	BRAKE-T ASSY;-,DURACON+SUS303,-,DD-C2R	
S314	AD61-60555A	SPRING-BRAKE T;-,TS,SUS304,PI0.29,-,-,DD	
S315	AD63-30542A	COVER-REEL ASSY;-,SUS304+POM+PMMA,-,-,-,	
S316	AD61-82001A	HOUSING-ASSY;-,SUS+SPRING+ETC,-,-,DD-C2R	

MEMO

2. Buttons Location





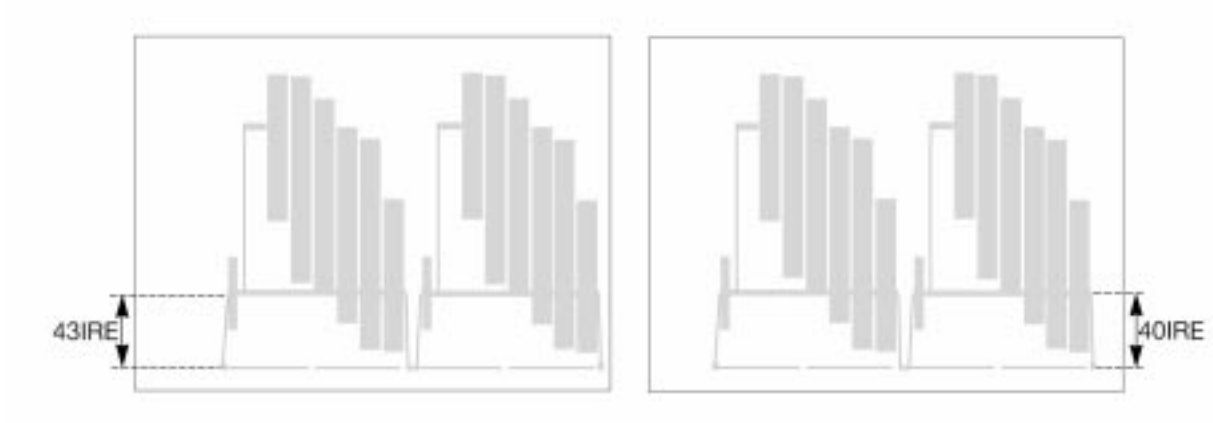
3. If you want to finish the adjustment mode, you have to do Power Reset.
The Power Reset means that you pull out the power source and pull in it again.

3-1-2. VCR Adjustment

1. VCR Adjustment Items

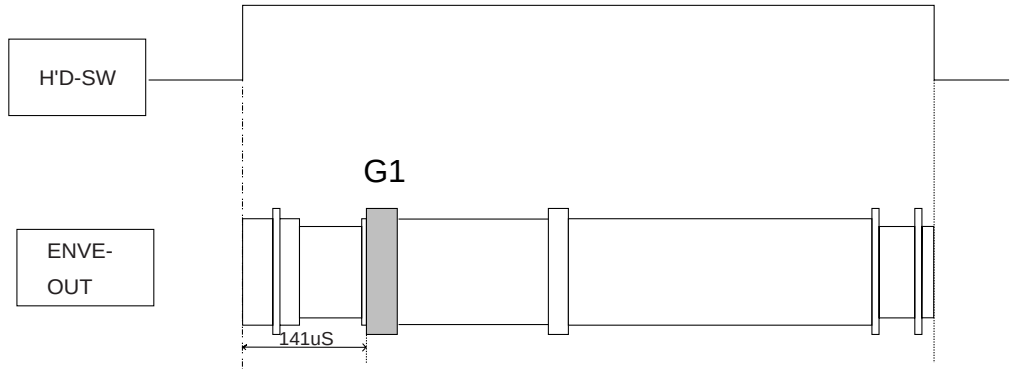
Items	Adj. value	Description
V-REF	Adjustment	Video reference
EXTA	7F	Audio VCO PLL
RECCUR	80	REC current
A-REF1	80	Audio 48KHz mode
A-REF2	80	Audio 44.1KHz mode
A-REF3	80	Audio 32KHz mode
HDSWP	Adjustment	Head Adjust switch
ZOOMVR	Adjustment	Adjust center value in the ZOOM switch
LP:A0	FF	RESERVED(fixed value)

2. How to adjust Video-Reference (V-REF).
   1) Connect video output cable to wave form scope. The wave form scope must be connected to monitor. (75Ω termination)
   2) standard color bar tape.
   3) Set to the VCR adjustment mode.
   4) Adjust VREF so that SYNC level of video output signal is PAL(43 IRE) and NTSC(40 IRE). (Adjustment value range : 69 -6A)

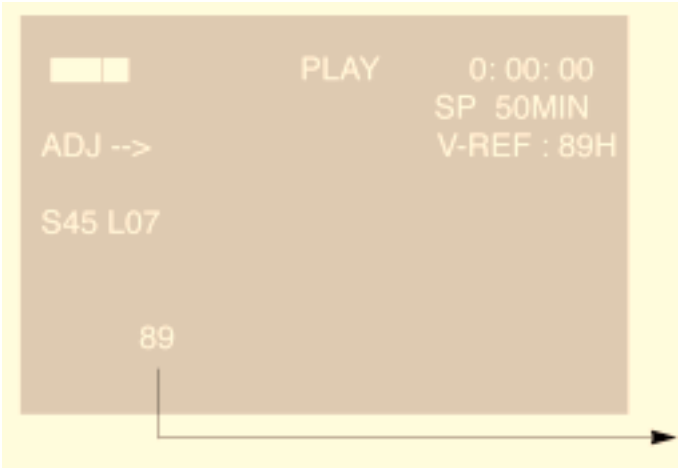


3. How to adjust Head Switching (HDSWP)

1) Connect No. 3 pin of WAFER CNPI01 (HEAD-SW signal) for adjustment to CH1 of oscilloscope.
2) Connect No. 5 pin of WAFER CNPI01 (ENVE-OUT signal) for adjustment to CH2 of oscilloscope.
3) Play standard color bar tape.
4) Select HDSW of the video adjustment mode.
5) Adjust so that the time between HEAD-SW START and G1 START OF ENVE-OUT is 141μs (±10μs).



4. Center Value Adjustment of Zoom Switch



(Current value of the Zoom SW)

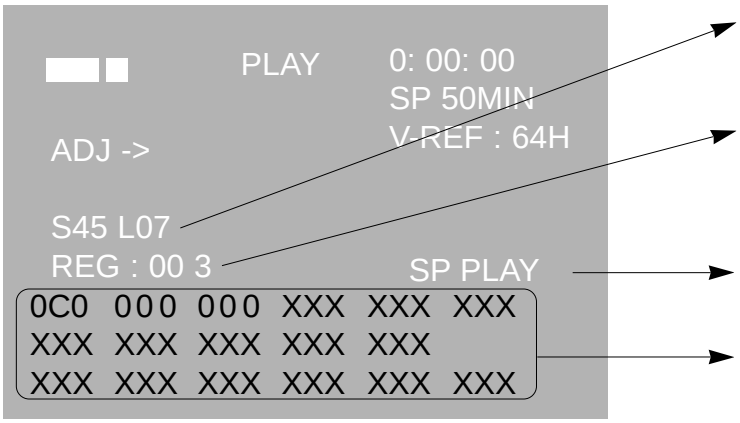
1) Select ZOOMVR in the video adjustment mode.
2) Adjust ZOOM SW so that the switch is put in the middle of T and W.
3) Adjust ZOOMVR so that the current value of ZOOM SW is equal to the adjusted ZOOMVR value.

3-1-3. PRML Adjustment Preparation

1. How to set up PRML Adjustment Mode

PRML Adjustment Setup

1. Press the Display button in VCR adjustment mode.
2. When monitor OSD appears as shown below, PRML adjustment mode has been activated successfully.



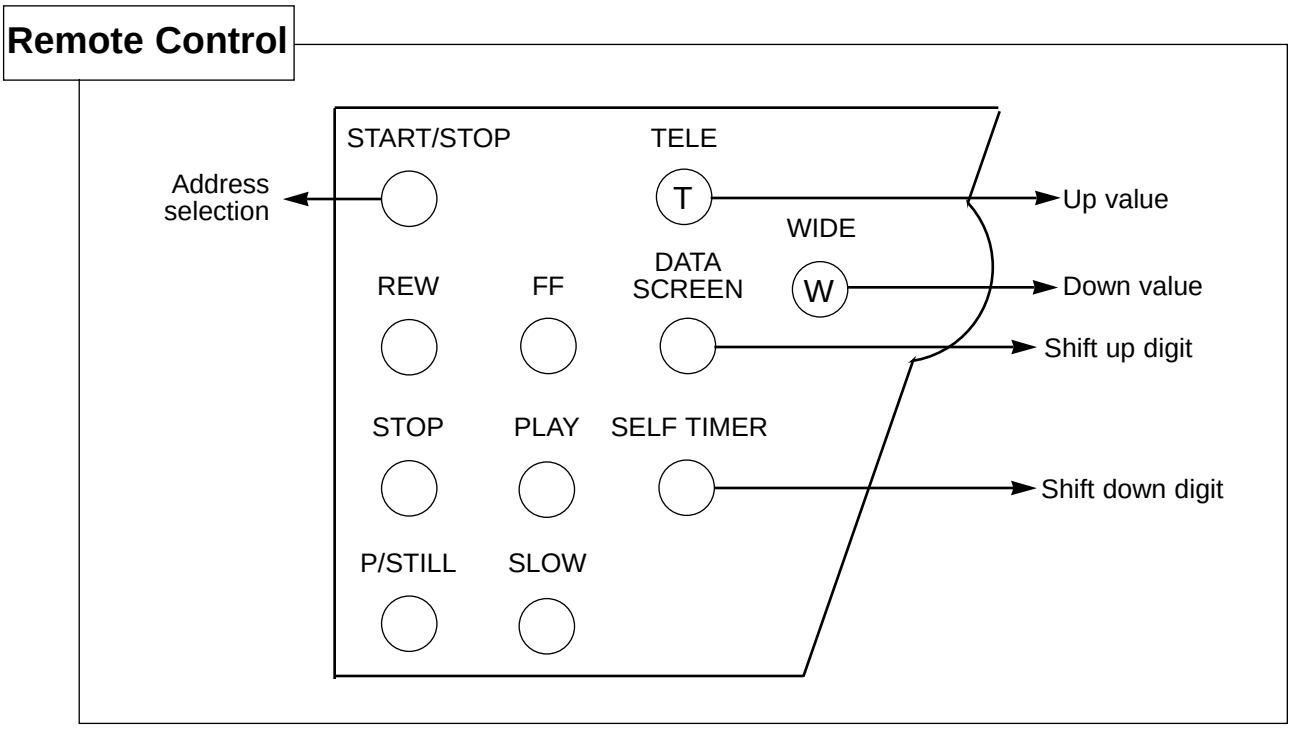
Indicates address of adjusting item by using from 00 to 24.

Indicates digit of adjusting item by using 2, 1, and 0.
e.g.) Digit : 2, 1, 0 Adjustment value : 0 C 0

Indicates operating mode of PRML.

Indicates preset values.

2. Remote Control Button Location



3. Press the Address selection button(START/STOP button) to skip the next address in order to finish the adjustment and store data. After finishing the adjustment, you have to do power reset.

* The PRML BER will be set to the right adjustment when shipping out video camera and PCB ASSY from factory.

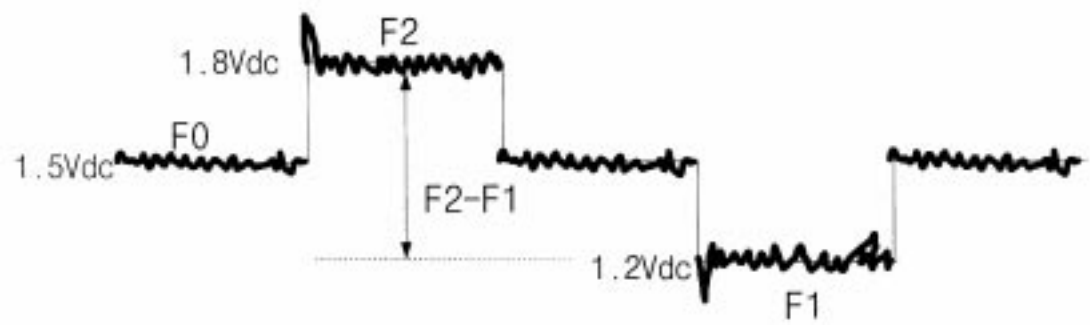
3-1-4. PRML Adjustment

1. How to set up PRML Adjustment Mode

Address	Name	MODE		
		SP		
		PB	SLOW	SEARCH
00	PGC/SQPI/FIRO	0C0	0C0	0C0
01	IDO/DOD/ATFAQ/FIR4	000	000	000
02	GDH0/FIR1H0	000	2C0	2C0
03	GDH1/FIR1H1	000	2C0	2C0
04	LPGC/DATF/PGCEN/TDOI/FIR3H0	400	400	400
05	BPGC/FCLP/FIR3H1	600	600	600
06	LTG/LPGC/BPLG/TC13/TC2/FIR2	805	805	805
07	ATFFC/DOHG/ATFHG/HGSEL/SLEEP	* C00	C00	C00
08	DDOSC/SEFTH/DLZI/TADAPT/VIT	41E	41E	41E
09	ATFSEL/SYMC/DAMP	223	223	223
0A	EZCNT/LPFBYP/PDTST/...	000	000	000
0B	HLD/FCHO/BSTH0	* 18A	1EA	1EA
0C	CMXEN/FCH1/BSTH1	* 1EA	1EA	1EA
0D	ATGH0/DOGCH0/TP1SEL	865	865	865
0E	ATGCH1/DOGCH1/TSEL	860	860	860
0F	FRQ/RLZSEL/...	00C	00C	00C
24	AE/DZ/INTL/.../TWR	FE2	7E2	7E2

2. ATF Adjustment Specifications

1) Adjust REG7-2(ATFFC) (You must adjust ATFFC only.).
2) Adjust the level as the following.
   Adjust ATF so that F2-F1 level is maximized.
   Adjust ATF so that F2/F1 level is ±0.3Vdc more than F0 (1.5Vdc).
   The normal level is displayed as shown below.
3) Connect the following output to No. 4 of TP-CON CNPI01 for adjustment.



(ATF error wave form)

3. BER Adjustment Specifications (Reference)

1) Turn off Adaptive. . . . . 7E2 ;REG24
2) Find out the optimally minimum BER value in REG. 11 BOOST.
start values . . . . . .1EA ;REG12
The optimum means the number of error is less than 10 ea. ;Current D50 manufac turing standard
If the minimum value is as the followings, designate as the right values.
[Add +2 to select the one.]
Min . . . . . ;Selection valueless
less than 6[6, 5, 4, 3, 2, 1] . . . . . .8 ;REG12 ===1E8
7 . . . . . .9 ;REG12 ===1E9
8 . . . . . .10 ;REG12 ===1EA
9 . . . . . .11 ;REG12 ===1EB

3) Find out the optimally min. and max. BER values in REG. 11 CUTOFF FREQUENCY.
Start values . . . . . .14A ;REG11
The optimum means the number of error is less than 10 ea. ;Current D50 manufac turing standard
If the min. and max. value is as the followings, designate as the right values.
Min./Max . . . . . ;Selection valueless
05/15 ===Median(10) . . . . . .10 ;REG12 ===14A
If the median is less than 9 . . . . . .09 ;REG12 ===12A
Be sure not to select values less than 9(12A) and more than 13(1AA)
Always select among 12A, 14A, 16A, 18A and 1AA.
But, in case min. value of CUTOFF FREQ. is more than 11, it enables to adjust from 1CA to 1EA.

4) Find out the optimally minimum BER value in REG. 11 BOOST.
start values . . . . . .14A ;REG11
The optimum means the number of error is less than 10 ea. ;Current D50 manufac turing standard
If the minimum value is as the followings, designate as the right values.
[Add +2 to select the one.]
Min . . . . . ;Selection valueless
less than 6[6, 5, 4, 3, 2, 1] . . . . . .8 ;REG12 ===1#8
7 . . . . . .9 ;REG12 ===1#9
8 . . . . . .10 ;REG12 ===1#A
9 . . . . . .11 ;REG12 ===1#B
;Always select among 8, 9, A and B.

5) Turn on Adaptive. . . . . ;REG24 ===FE2

6) Check the value is input to unit correctly.

3-2 Camera Adjustment

Note: How to adjust the camera system.

1) EEPROM stores confirmed adjustment value of each adjustment step.
2) DSP (Digital Signal Process : ICP05-MAIN BOARD) digitalizes the camera signal.
3) When changing ICP05-MAIN BOARD of EEPROM, readjust main board. While changing LCD board-ICL202 and CVF board-ICV02, always readjust each part.
   Since EEPROM stores confirmed adjustment value of each adjustment step, readjusting must be performed in order to store the changed data.
4) Adjust the following items after changing LENS ASSY.
   a. LENS ZOOM TRACK
   b. AUTO HALL
   c. AUTO IRIS
5) Adjust the following items after changing EEPROM and MAIN BOARD.
   a. LENS ZOOM TRACK
   b. AUTO HALL
   c. AE TARGET
   d. AUTO GAIN CONTROL
   e. AUTO IRIS
   f. AUTO WHITE BALANCE (indoor)
   g. AUTO WHITE BALANCE (outdoor)

3-2-1 Adjustment Preparation

1. Measuring Instrument
1) DC power supply
2) Oscilloscope
3) PAL vectorscope
4) PAL wave form monitor
5) PAL TV or monitor
6) Color bar chart
   Gray scale chart

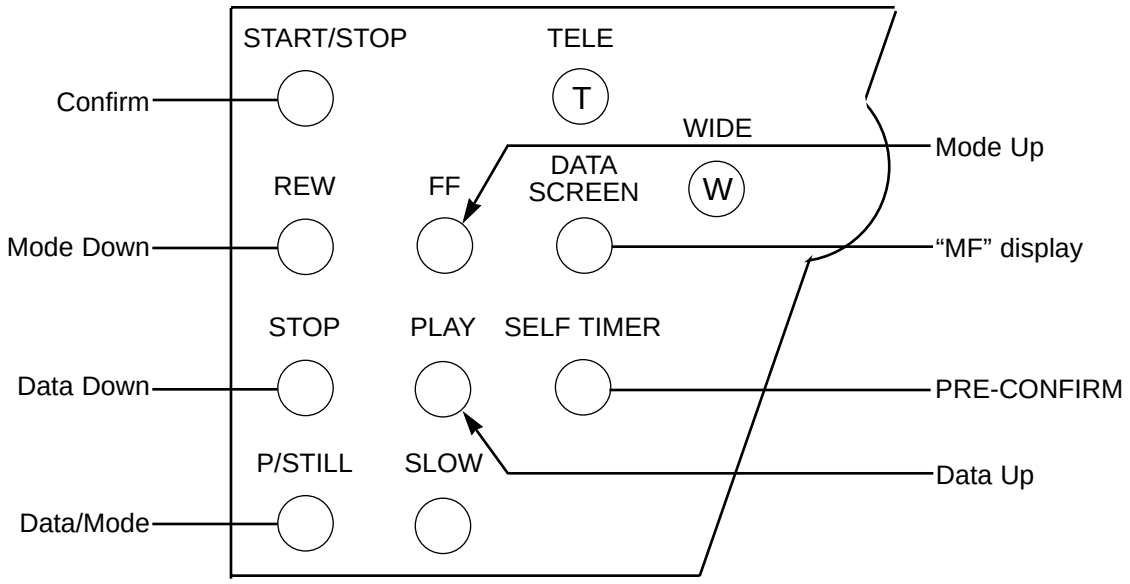
2. Camera PCB configuration
1) MAIN PCB
2) CCD PCB
3) CVF PCB
4) LCD PCB
5) GYRO PCB
6) CONNECTION PCB

3. Before you start
1) Use the buttons on the remote control when adjusting camera.
2) Press the "START/PAUSE" button when storing confirmed adjustment value of each adjustment step in EEPROM.
3) There is a flicker on screen after finishing each adjustment step.
4) To clear the adjustment mode, pull out the power source.

4. Functions of each button on the Remote Control

Button	Description
START/STOP (Confirm)	Stores changed value in the adjustment and auto adjustment mode.
STOP (Data Down)	Changes data in the adjustment state.
PLAY (Data Up)	
FF (Mode Up)	Changes mode.
REW (Mode Down)	
P/STILL (Data/Mode)	
DATA SCREEN	Uses this button in lens and auto adjustment(indicates MF on screen.).
SELF TIMER	PRE-CONFIRM

In adjustment mode, the buttons of the remote control is as the followings.



Note: In service adjustment mode, button names are different from those in customer function control mode.
e.g.) "START/STOP" is the same as "Confirm".

5. How to set up the camera adjustment mode

STEP 1

1) Connect the power source (battery/DC cable).
2) Open Housing from video camera.
3) Set the "CAMERA/VCR" switch to "CAMERA" position.
4) The OSD appears.

Note : "XX" indicates variable values.

STEP 2

Press and hold the "SLOW" button and "VOL" button on the video camera at the same time for more than 5 seconds.

STEP 3

Monitor OSD shows "80 XX XX". Then camera adjustment mode has been activated successfully.

Address	Data	Name	Remark
0	0	D_DFP_DUMMY0	/*DUMMY*/
1	0	D_DFP_DZOOM_MODE	/*DZOOM MODE*/
2	0	D_DFP_HZ_INT	/*H ZOOM H INTEGER*/
3	0	D_DFP_HZ_SUB	/*H ZOOM SUB PIXEL*/
4	0	D_DFP_HZ_STEP	/*H ZOOM STEP*/
5	0	D_DFP_VZ_SUB	/*V ZOOM SUV PIXEL*/
6	0	D_DFP_VZ_STEP	/*V ZOOM STEP*/
7	78	D_DFP_EIS_I	/*EIS INT*/
8	31	D_DFP_FST_NO_L	/*FLAME SHIFT LSB NO.*/
9	8	D_DFP_FST_NO_H	/*FLAME SHIFT MSB NO.*/
A	0	D_DFP_SHUTTER_L	/*SHUTTER SPEED DATA LSB*/
B	0	D_DFP_SHUTTER_H	/*SHUTTER SPEED DATA MSB*/
C	0	D_DFP_TG_MODE	/*TG MODE*/
D	1	D_DFP_DELAY_CONT	/*DELAY CONTROL*/
E	0	D_DFP_RGB_SEL	/*RGB SELECT*/
F	2	D_DFP_GMY1	/*GAMMA Y1*/
10	8	D_DFP_GMY2	/*GAMMA Y2*/
11	13	D_DFP_GMY3	/*GAMMA Y3*/
12	28	D_DFP_GMY4	/*GAMMA Y4*/
13	46	D_DFP_GMY5	/*GAMMA Y5*/
14	68	D_DFP_GMY6	/*GAMMA Y6*/
15	80	D_DFP_GMY7	/*GAMMA Y7*/
16	98	D_DFP_GMY8	/*GAMMA Y8*/
17	2	D_DFP_GHC1	/*GAMMA C1*/
18	8	D_DFP_GHC2	/*GAMMA C2*/
19	13	D_DFP_GHC3	/*GAMMA C3*/
1A	28	D_DFP_GHC4	/*GAMMA C4*/
1B	44	D_DFP_GHC5	/*GAMMA C5*/
1C	66	D_DFP_GHC6	/*GAMMA C6*/
1D	82	D_DFP_GHC7	/*GAMMA C7*/
1E	98	D_DFP_GHC8	/*GAMMA C8*/
1F	FA	D_DFP_C_REF	/*CLAMP REFERENCE*/
20	2B	D_DFP_RWB	/*R GAIN Adjust
21	24	D_DFP_GWB	/*G GAIN Adjust
22	80	D_DFP_BWB	/*B GAIN Adjust
23	D	D_DFP_ABBR	/*AUTO BLACK BALANCE R DC Adjust
24	0	D_DFP_ABBG	/*AUTO BLACK BALANCE R DC Adjust
25	F6	D_DFP_ABBB	/*AUTO BLACK BALANCE R DC Adjust
26	59	D_DFP_DMCOA1	/*MATRIX GAIN A1*/
27	D9	D_DFP_DMCOA2	/*MATRIX GAIN A2*/
28	F2	D_DFP_DMCOB1	/*MATRIX GAIN B1*/
29	72	D_DFP_DMCOB2	/*MATRIX GAIN B2*/
2A	0	D_DFP_RHUEN	/*R HUE NEGATIVE*/
2B	0	D_DFP_RHUEP	/*R HUE POSITIVE*/
2C	A	D_DFP_BHUEN	/*B HUE NEGATIVE*/

2D	24	D_DFP_BHUEP	/*B HUE POSITIVE*/
2E	9B	D_DFP_RYGN	/*R-Y NEGATIVE GAIN*/
2F	9B	D_DFP_RYGP	/*R-Y POSITIVE GAIN*/
30	90	D_DFP_BYGN	/*B-Y NEGATIVE GAIN*/
31	90	D_DFP_BYGP	/*B-Y POSITIVE GAIN*/
32	36	D_DFP_MTX_G	/*MATRIX G*/
33	24	D_DFP_MTX_Y	/*MATRIX Y*/
34	C0	D_DFP_GHC9	/*GAMMA C9*/
35	7C	D_DFP_H_GAIN_A	/*H CORE TYPE, H GAIN*/
36	7C	D_DFP_V_GAIN_A	/*V CORE TYPE, V GAIN*/
37	3A	D_DFP_CORE_LVL	/*YE_CS,YH_CS,H CORE LEVEL*/
38	C7	D_DFP_SLICE_LVL	/*CLIP TYPE,SLICE LEVEL*/
39	AC	D_DFP_YHI_REF	/*Y HI LIGHT REFERENCE*/
3A	AC	D_DFP_YEDGE_REF	/*Y EDGE REFERENC*/
3B	A8	D_DFP_FADE_COF	/*FADE COEFFICIENT*/
3C	E0	D_DFP_WT_LVL	/*WHITE LEVEL CONTROL*/
3D	0	D_DFP_E1_REF	/*E1 REF LEVEL*/
3E	0	D_DFP_E1_CONTROL	/*EFFECT 1 CONTROL*/
3F	18	D_DFP_DELTA_M	"/*DELTA M,C CONTROL*/"
40	0	D_DFP_EFF_MODE	/*EFFECT MODE*/
41	4	D_DFP_AF_FILT	/*HPF SELECTION*/
42	0	D_DFP_AF_CORE	/*AF DATA NOISE CORING*/
43	28	D_DFP_AFVS_A	/*AF A WINDOW V START*/
44	69	D_DFP_AFVE_A	/*AF A WINDOW V END*/
45	5F	D_DFP_AFHS_A	/*AF A WINDOW H START*/
46	AF	D_DFP_AFHE_A	/*AF A WINDOW H END*/
47	8	D_DFP_AFVS_B	/*AF B WINDOW V START*/
48	8C	D_DFP_AFVE_B	/*AF B WINDOW V END*/
49	37	D_DFP_AFHS_B	/*AF B WINDOW H START*/
4A	D7	D_DFP_AFHE_B	/*AF B WINDOW H END*/
4B	B0	D_DFP_AF_Y	/*AF Y REFERENCE*/
4C	25	D_DFP_AEVS_A	/*AE A WINDOW V START*/
4D	62	D_DFP_AEVE_A	/*AE A WINDOW V END*/
4E	54	D_DFP_AEHS_A	/*AE A WINDOW H START*/
4F	93	D_DFP_AEHE_A	/*AE A WINDOW H END*/
50	24	D_DFP_AEVS_B	/*AE B WINDOW V START*/
51	89	D_DFP_AEVE_B	/*AE B WINDOW V END*/
52	29	D_DFP_AEHS_B	/*AE B WINDOW H START*/
53	C3	D_DFP_AEHE_B	/*AE B WINDOW H END*/
54	D8	D_DFP_AE_Y	/*AE Y REFERENCE*/
55	65	D_DFP_WB_YU	/*AWB Y UP*/
56	38	D_DFP_WB_YD	/*AWB Y DOWN*/
57	24	D_DFP_WBVS_A	/*AWB A WINDOW V START*/
58	8C	D_DFP_WBVE_A	/*AWB A WINDOW V END*/
59	1E	D_DFP_WBHS_A	/*AWB A WINDOW H START*/
5A	D0	D_DFP_WBHE_A	/*AWB A WINDOW H END*/

5B	18	D_DFP_WBMAP00	/*AWB I COORDINATE SELECT MAP*/
5C	18	D_DFP_WBMAP01	/*AWB I COORDINATE SELECT MAP*/
5D	18	D_DFP_WBMAP02	/*AWB I COORDINATE SELECT MAP*/
5E	18	D_DFP_WBMAP03	/*AWB I COORDINATE SELECT MAP*/
5F	20	D_DFP_WBMAP04	/*AWB I COORDINATE SELECT MAP*/
60	80	D_DFP_WBMAP05	/*AWB I COORDINATE SELECT MAP*/
61	80	D_DFP_WBMAP06	/*AWB I COORDINATE SELECT MAP*/
62	C0	D_DFP_WBMAP07	/*AWB I COORDINATE SELECT MAP*/
63	E0	D_DFP_WBMAP08	/*AWB I COORDINATE SELECT MAP*/
64	F0	D_DFP_WBMAP09	/*AWB I COORDINATE SELECT MAP*/
65	F0	D_DFP_WBMAP0A	/*AWB I COORDINATE SELECT MAP*/
66	70	D_DFP_WBMAP0B	/*AWB I COORDINATE SELECT MAP*/
67	38	D_DFP_WBMAP0C	/*AWB I COORDINATE SELECT MAP*/
68	3C	D_DFP_WBMAP0D	/*AWB I COORDINATE SELECT MAP*/
69	1E	D_DFP_WBMAP0E	/*AWB I COORDINATE SELECT MAP*/
6A	F	D_DFP_WBMAP0F	/*AWB I COORDINATE SELECT MAP*/
6B	F8	D_DFP_WBMAP10	/*AWB I COORDINATE SELECT MAP*/
6C	F8	D_DFP_WBMAP11	/*AWB I COORDINATE SELECT MAP*/
6D	FC	D_DFP_WBMAP12	/*AWB I COORDINATE SELECT MAP*/
6E	F5	D_DFP_WBMAP13	/*AWB I COORDINATE SELECT MAP*/
6F	7F	D_DFP_WBMAP14	/*AWB I COORDINATE SELECT MAP*/
70	3F	D_DFP_WBMAP15	/*AWB I COORDINATE SELECT MAP*/
71	1F	D_DFP_WBMAP16	/*AWB I COORDINATE SELECT MAP*/
72	F	D_DFP_WBMAP17	/*AWB I COORDINATE SELECT MAP*/
73	3	D_DFP_WBMAP18	/*AWB I COORDINATE SELECT MAP*/
74	1	D_DFP_WBMAP19	/*AWB I COORDINATE SELECT MAP*/
75	0	D_ADJ_LENSZOOMH	/*PI ONE MOVE ZOOM H*/
76	0	D_ADJ_LENSZOOML	/*PI ONE MOVE ZOOM L*/
77	0	D_ADJ_LENSFOCUSH	/*PI ONE MOVE FOUCS H*/
78	0	D_ADJ_LENSFOCUSL	/*PI ONE MOVE FOCUS L*/
79	F8	D_MASK_AFOPTION	/*AF OPTION*/
7A	54	D_ZZ_THRES	/*AF ZZ MODE EXIT THRESHOLD*/
7B	8E	D_DFP_SDLYLOW	/*system delay low 8bit*/
7C	0	D_DFP_SDLYHIGH	/*system delay high 2bit*/
7D	0	D_DFP_TESTPATT	/*test pattern 0: ccd, 1:color bar,2:lamp &impulse*/
7E	C0	D_DFP_GMY9	/*gamma y9*/
7F	0	D_DFP_DLYADJ	/*analog system delay adjust*/
80	67	D_AWB_DETECTRATIO	/*128 AWB WHITE DETECT PERCENT*/
81	A8	D_EEP_IRISCONH	/*129 IRIS control upper data for IRIS control data*/
82	FF	D_EEP_IRISCONL	/*130 IRIS control lower data for IRIS control data*/
83	3	D_CDS_MODEH	/*161 ad9803 mode data h*/
84	3	D_CDS_MODEL	/*162 ad9803 mode data l*/
85	0	D_CDS_AGCCONH	/*163 ad9803 agc data h*/
86	A0	D_CDS_AGCCONL	/*164 ad9803 agc data l*/
87	19	D_CDS_HALLGAIN	/*165 ad9803 DAC1 data*/
88	A0	D_CDS_HALLREF	/*166 ad9803 DAC2 data*/

89	D	D_CDS_MODE2	/*167 ad9803 MODE2 data*/
8A	A	D_CDS_CCDHOLD	/*168 ad9803 CCD CORRECTION HOLD MODE */
8B	10	D_EEP_EISVADGAIN	
8C	1E	D_EEP_EISHADGAIN	
8D	EB	D_EEP_EISVCENGAIN	
8E	EB	D_EEP_EISHCENGAIN	
8F	7	D_EEP_EISNOISE	
90	12	D_EEP_ZPHOTOH	/*0x122a r2zt_ZPulsePhoto>>8*/
91	78	D_EEP_ZPHOTOL	/*r2zt_ZPulsePhoto&0xff*/
92	12	D_EEP_FPHOTOH	/*0x1170 r2zt_FPulsePhoto>>8*/
93	36	D_EEP_FPHOTOL	/*r2zt_FPulsePhoto&0xff*/
94	4	D_EEP_ZSPEED	/*0X9C ZOOM SPEED*/
95	0	D_EEP_FTELEERRH	/*0x122a r2zt_ZPulsePhoto>>8*/
96	6	D_EEP_FTELEERRL	/*r2zt_ZPulsePhoto&0xff*/
97	FF	D_EEP_FWIDEERRH	/*0x1170 r2zt_FPulsePhoto>>8*/
98	E8	D_EEP_FWIDEERRL	/*r2zt_FPulsePhoto&0xff*/
99	20	D_EEP_AFTOPTHR	/* AF top threshold*/
9A	10	D_EEP_ZTZZDELTA	/*=16 ztrack zigzag hall effect value*/
9B	40	D_EEP_ZTZZDELTA2	/*=40h zt zigzag value */
9C	2	D_EIS_INITIME	/*power initial eis off time (set value+1.5sec)*/
9D	40	D_EEP_AFLOWRATIO	/*0x40 ratio low reference */
9E	F0	D_EEP_WIDE_DZ	/*wide mode offset dzoom stepE*/
9F	D	D_TEST_AFHALL	/*aeavr low wb stop percent */
A0	AE	D_EEP_addr_ae_iris100ire	
A1	27	D_EEP_addr_ae_target	
A2	18	D_EEP_addr_ae_blc_target	
A3	1E	D_EEP_addr_ae_hallgainstr	
A4	C8	D_EEP_addr_ae_halldiftar	
A5	0	D_EEP_addr_ae_bypassaeavr	
A6	20	D_EEP_addr_ae_agcmaptarget	
A7	20	D_EEP_addr_ae_hallmin	
A8	FE	D_EEP_addr_ae_hallmax	
A9	4F	D_EEP_addr_ae_dfp_target	
AA	A	D_EEP_addr_ae_blc_dfp_target	
AB	59	D_EEP_addr_ae_irismin	
AC	FB	D_EEP_addr_ae_irismax	
AD	60	D_EEP_addr_ae_tarpecnt	
AE	36	D_EEP_addr_ae_agcmin	
AF	90	D_EEP_addr_ae_agcmax	
B0	70	D_EEP_addr_awb_b_3100	
B1	2D	D_EEP_addr_awb_r_3100	
B2	48	D_EEP_addr_awb_b_5100	
B3	4A	D_EEP_addr_awb_r_5100	
B4	F1	D_EEP_addr_awb_3100_bmaxclip	
B5	84	D_EEP_addr_awb_5100_rmaxclip	
B6	C8	D_EEP_addr_awb_tracking	

B7	2A	D_EEP_addr_ae_blc_pecnt
B8	30	D_EEP_addr_ae_clipratio
B9	C	D_EEP_addr_ae_clipdecmax
BA	71	D_EEP_addr_awb_hall_outdoor
BB	1	D_EEP_AFCHGPULSE /*af r1zt_AFChgPulse setting method */
BC	EC	D_EEP_addr_awb_out_right_margin
BE	11	D_EEP_addr_awb_br_slop
BE	50	D_EEP_addr_awb_b_start
BF	54	D_EEP_addr_awb_r_start
C0	81	D_EEP_addr_awb_b_gain_pecnt
C1	85	D_EEP_addr_awb_r_gain_pecnt
C2	37	D_EEP_addr_ae_startagc
C3	3A	D_EEP_addr_ae_end_hvcore
C4	34	D_EEP_addr_ae_end_hgain
C5	34	D_EEP_addr_ae_end_vgain
C6	F4	D_EEP_addr_ae_end_slice
C7	3C	D_EEP_addr_ae_csuppress
C8	D	D_EEP_addr_wdr_cdsmode2
C9	2C	D_EEP_addr_wdr_hgain
CA	2C	D_EEP_addr_wdr_vgain
CB	D8	D_EEP_addr_wdr_slice
CC	20	D_EEP_addr_wdr_histw
CD	0	D_EEP_addr_wdr_abbr_pm
CE	0	D_EEP_addr_wdr_abbb_pm
CF	A0	D_EEP_addr_wdr_yhi_ref
D0	7F	D_WDR_AEINSEL
D1	A8	D_WDR_AECLIPTH
D2	0	D_WDR_AEL_TH
D3	FF	D_WDR_AEH_TH
D4	75	D_WDR_AEW2VE
D5	28	D_WDR_AEW2VS
D6	B0	D_WDR_AEW2HE
D7	30	D_WDR_AEW2HS
D8	88	D_WDR_AEW1VE
D9	20	D_WDR_AEW1VS
DA	C0	D_WDR_AEW1HE
DB	28	D_WDR_AEW1HS
DC	0	D_WDR_SP_ADJ
DD	0	D_WDR_TESTADDR
DE	0	D_WDR_TESTCONT
DF	88	D_WDR_ALPF_TH3
E0	88	D_WDR_ALPF_TH1
E1	2A	D_WDR_ALPF_WTSFT
E2	99	D_WDR_COLOR127
E3	99	D_WDR_COLOR31
E4	4A	D_WDR_CH_SEL

E5	F0	D_WDR_BACKSP	
E6	44	D_WDR_LUT_TAB	
E7	E0	D_WDR_LTIC	
E8	C0	D_WDR_LTI_ON	
E9	38	D_WDR_HIST_WT	
EA	1C	D_WDR_LUT_GAIN	
EB	FD	D_WDR_LP_V	
EC	28	D_WDR_SP_V	
ED	9C	D_WDR_LP_H	
EE	56	D_WDR_SP_H	
EF	0	D_WDR_GR_MODE	
F0	70	D_EEP_AFHALL	/*pin hall effect af normal shutter 0x40*/
F1	0	D_EEP_addr_awb_rhuen_5100	
F2	0	D_EEP_addr_awb_rhuep_5100	
F3	A	D_EEP_addr_awb_bhuen_5100	
F4	24	D_EEP_addr_awb_bhuep_5100	
F5	E	D_EEP_addr_awb_left_margin	
F6	1C	D_EEP_addr_awb_right_margin	
F7	95		/*INITIAL*/
F8	1	D_EEP_VCR_SPCNT	/*SP COUNT*/
F9	1	D_EEP_VCR_LPCNT	/*LP COUNT*/
FA	E	D_EEP_IE3_13941	/*ieee1394 id1*/
FB	30	D_EEP_IE3_13942	/*ieee1394 id2*/
FC	35	D_EEP_IE3_13943	/*ieee1394 id3*/
FD	30	D_EEP_IE3_13944	/*ieee1394 id4*/
FE	8	D_EEP_UART_BAUD	/*uart boadrage 88h=9600 else=115200*/
FF	1E		

3-2-2 Camera Adjustment

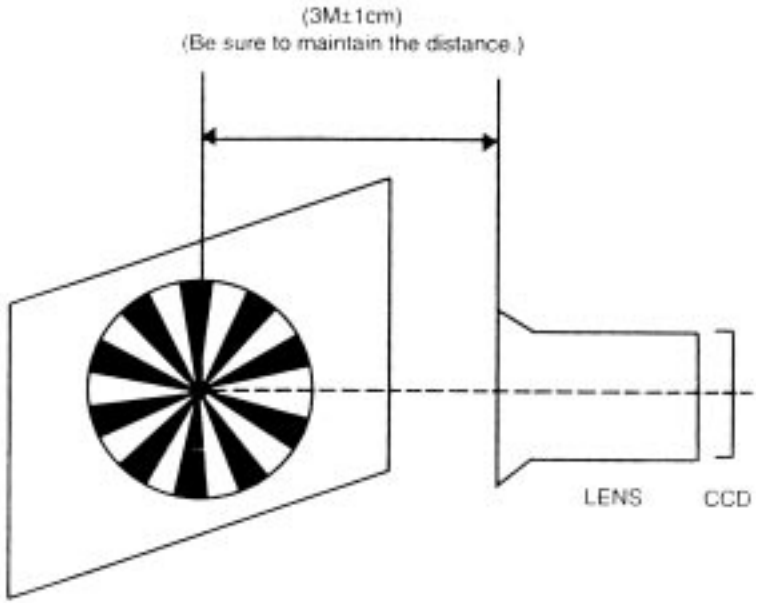
Note : "XX XX" indicate the previous preset value and adjusted value. Press the START/STOP (Confirm) button to store the adjusted value.

80	XX	XX
	(Adjusted value)	(Stored value)

1. LENS ZOOM TRACK

Caution : For whole zoom range, it shall be in focus. The location of a focus lens is moving depending on the location of zoom lens. During adjusting, micom measures the focus location from a near distance to a long.

1) Camera is set to E-E mode.
2) Focus chart photo (the last page of manual)
3) Ensure that camera is left an about 3 m distance from a focus chart and the focus of lens is placed vertically. Attach a focus chart to white or gray wall of a flat surface.
4) Connect a video output terminal to a TV.
5) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "C8 XX XX".
6) Press the Display button so that OSD shows "C8 XX XX".
7) Press the START/STOP (Confirm) button. Never impact on the lens when adjusting zoom and focus lens. There's is a flicker on screen after finishing the adjustment.



2. AUTO HALL

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "C9 XX XX".
4) Press the Display button so that OSD shows "C8 XX XX".
5) Press the START/STOP (Confirm) button.
6) Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of Hall in A7 and A6 respectively.
7) There's is a flicker on screen after finishing the adjustment.

3. AE TARGET LEVEL

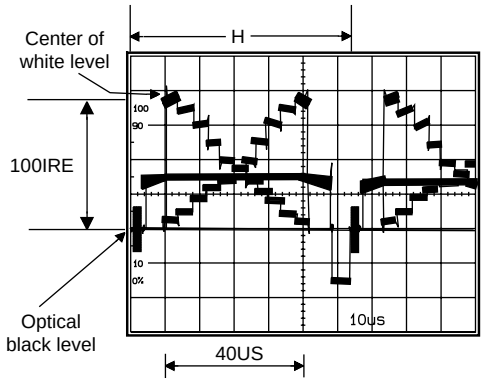
1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "CB XX XX".
4) Press the DATA SCREEN button so that OSD shows "CB XX XX".
5) Press the Display (PRE-CONFIRM) button.
6) Press the PLAY (Data Up)/STOP (Data Down) so that the signal level is 90IRE.
7) Press the START/STOP (Confirm) button.
8) There's is a flicker on screen after finishing the adjustment.

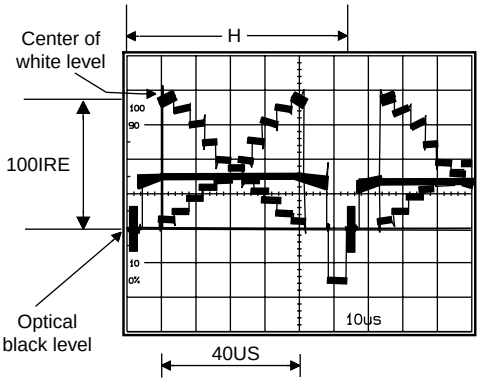
4. AUTO GAIN CONTROL

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "CC XX XX".
4) Press the DATA SCREEN button so that OSD shows "CC XX XX".
5) Press the START/STOP (Confirm)button. Then micom finds out the beginning value of AGC and stores the value in AF.
6) There's is a flicker on screen after finishing the adjustment.

5. AUTO IRIS LEVEL

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "CD XX XX".
4) Press the DATA SCREEN button so that OSD shows "CD XX XX".
5) Press the START/STOP (Confirm) button.
6) Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of Hall in AB and AC respectively.
7) There's is a flicker on screen after finishing the adjustment.





6. AUTO WHITE BALANCE (indoor)

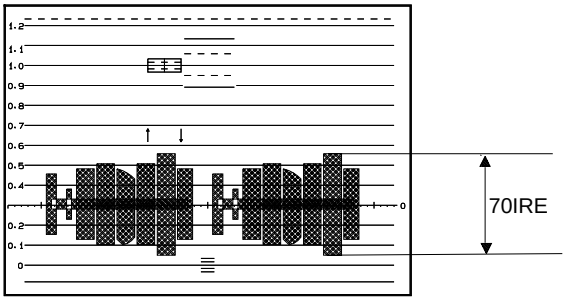
1) Camera mode & 3100˚ K/5100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "CE XX XX".
4) Press the DATA SCREEN button so that OSD shows "CE XX XX".
5) Ensure that camera picks up image 40μs on 3100˚K gray scale chart precisely and the illumination is 1500-2000 Lux.
6) Press the START/STOP (Confirm) button to ensure that white spot on a vectorscope is moving in the middle of screen.
7) There's is a flicker on screen after finishing the adjustment.

7. AUTO WHITE BALANCE (outdoor)

1) Camera mode & 3100˚ K/5100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "CF XX XX".
4) Press the DATA SCREEN button so that OSD shows "CF XX XX".
5) Ensure that camera picks up image 40 on 5100 gray scale chart (3100 gray scale chart + C16 filter) precisely and the illumination is 1500-2000 Lux.
6) Press the START/STOP (Confirm) button to ensure that white spot on a vectorscope is moving in the middle of screen.
7) There's is a flicker on screen after finishing the adjustment.

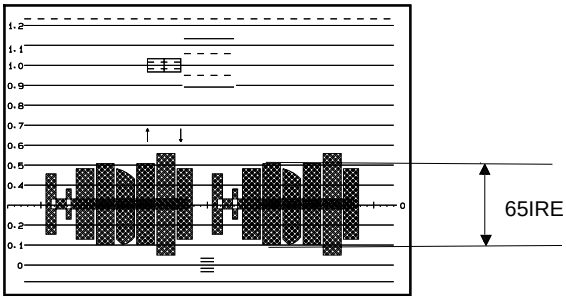
8. R-Y POSITIVE GAIN

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "2F XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the red level is 70IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



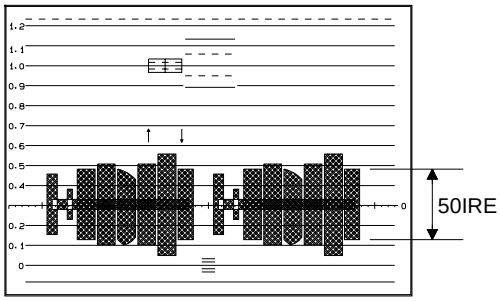
9. R-Y NEGATIVE GAIN)

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "2E XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the cyan level is 65IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



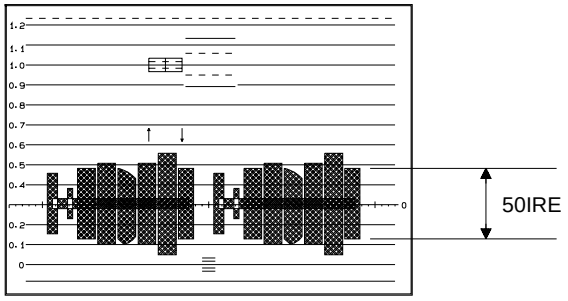
10. B-Y POSITIVE GAIN

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "31 XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the blue level is 50IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



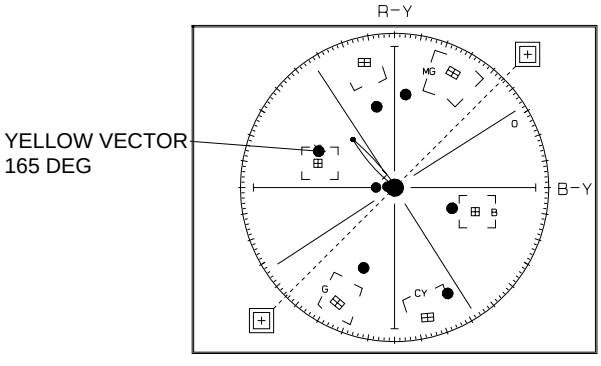
11. B-Y NEGATIVE GAIN

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "30 XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the yellow level is 50IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



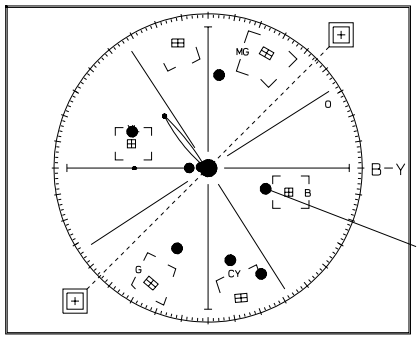
12. R-Y POSITIVE GAIN

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "31 XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the yellow vectors is 165˚ .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



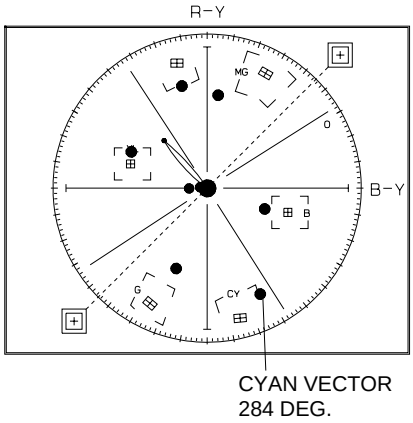
13. R-Y NEGATIVE HUE

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "2A XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the blue vector is 346˚ .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



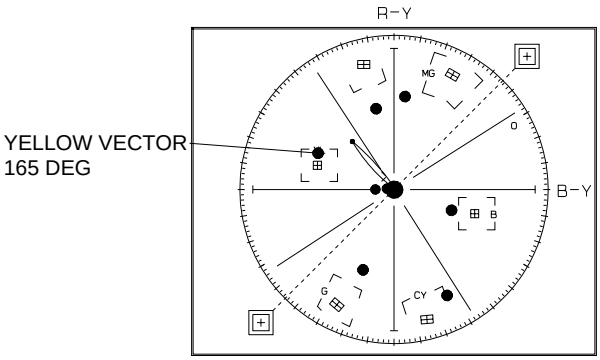
14. B-Y POSITIVE HUE

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "2D XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the cyan vector is 284˚ .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



15. B-Y NEGATIVE HUE

1) Camera mode & 3100˚ K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "2C XX XX".
4) Ensure that camera picks up image on 3100˚ K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the red vector is 104˚ .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



3-3. LCD Adjustment

Notes: For LCD adjustment, use the buttons on the video camera and the remote control.
After each adjustment step is completed, OSD shows "OK".
EEPROM(ICL202) stores confirmed adjustment value of each adjustment step.
After finishing the adjustment, turn power off.

1. How to get into the LCD adjust mode.

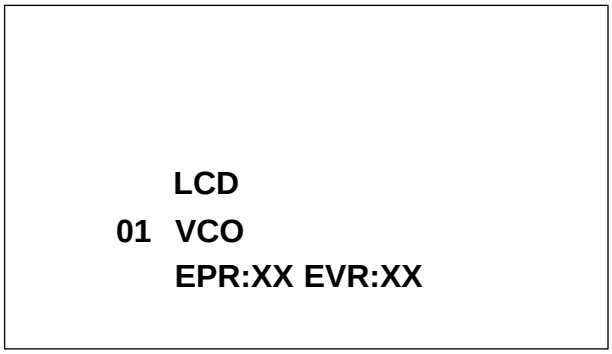
STEP 1

1. Connect the power source (battery / DC cable).
2. Set the "CAMERA / VCR" switch to "CAMERA" position.
3. Camera screen and OSD appears.
4. Open housing of the video camera and remove tape.
5. Press the Bright button to make the bright display appear in the center.
6) Press the Color button to make the color display appear in the center. Then press the Color button again to make the tint display appear in the center.

STEP 2

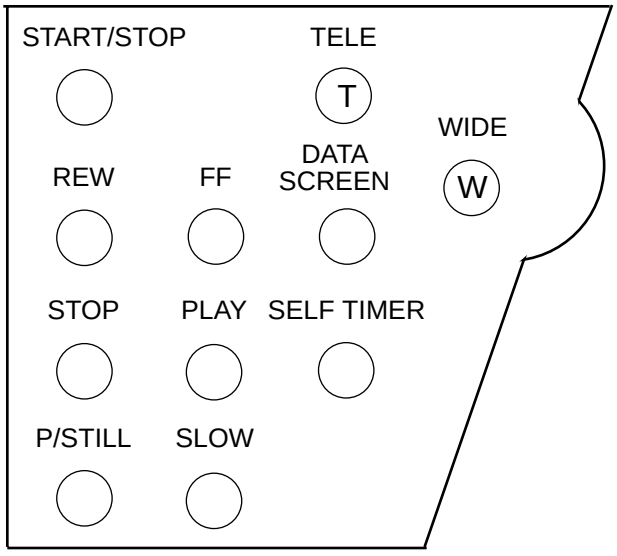
1) Press and hold the "FF" button and "SELF TIMER" button on the video camera at the same time for more than 5 seconds.
2) Press the DATA SCREEN button to make color bar appear.

Monitor screen



When monitor OSD shows as above screen, LCD adjustment mode has been activated successfully.

Note : "XX" indicates variable values.



Remote Control Button Location

2. Functions of each button on the Remote Control

Button	Description
START / STOP (Confirm)	Stores changed value in the adjustment mode.
FF (Mode Up)	Shift adjustment address to left.
REW (Mode Down)	Shift adjustment address to right.
PLAY (Data Up)	Up value.
STOP (Data Down)	Down value.

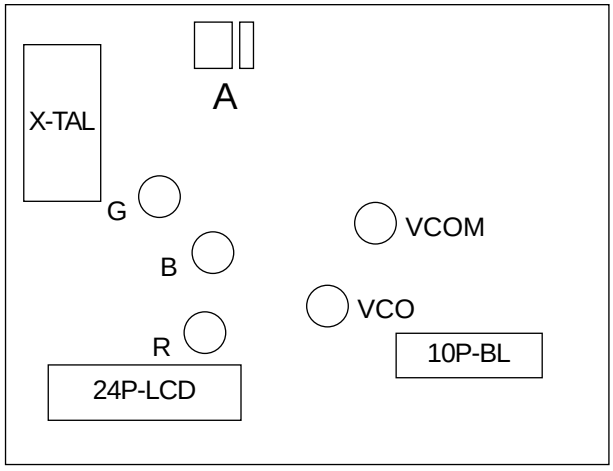
Note: In service adjustment mode, button names are different from those in customer function control mode.

3. Adjustment Mode Table

Address	Mode	PAL	NTSC	Remark
01	VCO	90	90	PLL ->Adjust
02	VCOM	39	39	COMMON ->Adjust
03	BRIGHT	60	60	BRIGHT ->Adjust
04	R-SUB	64	64	R-SUB ->Adjust
05	B-SUB	6E	6E	B-SUB ->Adjust
06	COLOR	79	8D	COLOR ->Adjust
07	TINT	00	A0	TINT ->Adjust NTSC only
08	CONTRAST	90	90	CONTRAST ->Fix initial value
09	GAMIMA	85	85	GAMMA ->Fix initial value
0A	LED CONTROL	FF	FF	LED control when powered
0B	BRIGHT MIN	01	01	Bright variation of MIN direction for USER
0C	BRIGHT MAX	02	02	Bright variation of MAX direction for USER
0D	COLOR MIN	05	05	Color variation of MIN direction for USER
0E	COLOR MAX	06	06	Color variation of MAX direction for USER
0F	TINT MIN	00	06	Tint variation of MIN direction for USER
10	TINT MAX	00	04	Tint variation of MAX direction for USER
11	FE2	19	19	CHECK1 ->Fix initial value
11	FE2	20	20	CHECK2 ->Fix initial value

*The adjustment sequence is VCO->VCOM->BRIGHT->R-SUB->B-SUB->COLOR->TINT.

4. Location of Adjustment TP

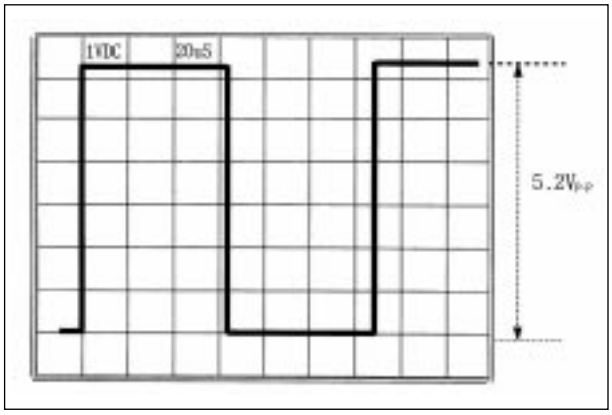


Note: In LCD adjustment mode, when shorting "A" of PCB to GND and pressing the START/STOP button, EEPROM stores confirmed adjustment value.

1) VCO
   a) TP-VCO & EVR
   b) Connect an voltmeter to TP-VCO.
   c) Adjust the EVR so that DC voltage is DC 3.5±0.05 V.

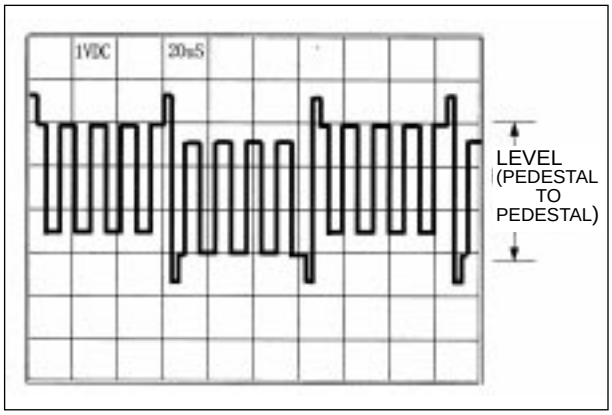
1) VCOM
   a) TP-VCOM & EVR
   b) Connect an voltmeter to TP-VCOM.
   c) Adjust the EVR so that DC voltage is DC 1.1±0.05 V.

3) Brightness
   a) TP-VCOM & EVR
   b) Connect an oscilloscope probe to TP-VCOM.
   c) Adjust the EVR so that bright level is 5.2± 0.1 Vp-p.



4) R-Sub Brightness
   a) TP-R & EVR
   b) Connect an oscilloscope probe to TP-R.
   c) Adjust the EVR so that bright level is 3.4 Vp-p.

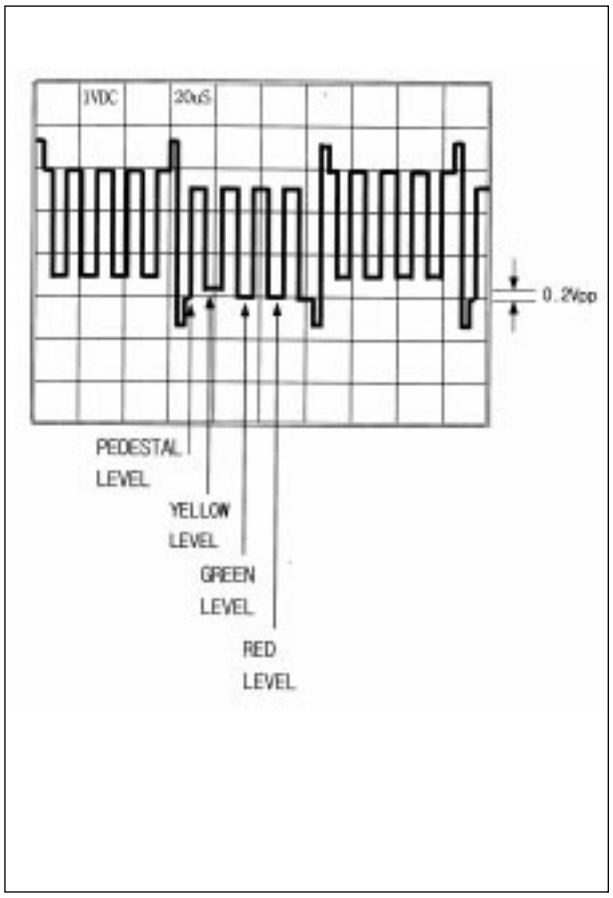
5) B-Sub Brightness
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that bright level is 3.3 Vp-p.



6) Color
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that yellow level is 0.2 Vp-p higher than pedestal level.

7) Tint (NTSC only)
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that green level is equal to red level.

8) C-COM
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that red carrier level is minimized.



3-4. CVF Adjustment

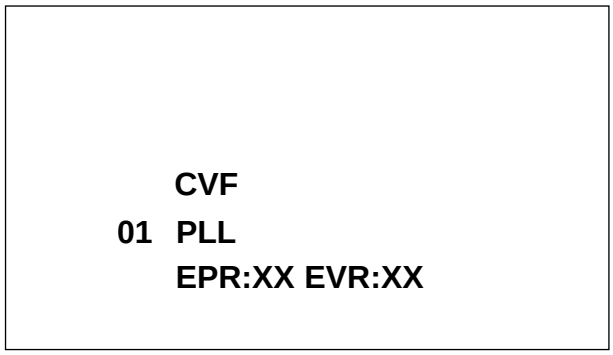
Notes : For CVF adjustment, use the buttons on the video camera and the remote control.
After each adjustment step is completed, OSD shows "OK".
EEPROM(ICV02) stores confirmed adjustment value of each adjustment step.
After finishing the adjustment, turn power off.

1. How to get into the LCD adjust mode.

STEP 1

1) Connect the power source (battery / DC cable).
2) Set the "CAMERA / VCR" switch to "CAMERA" position.
3) Camera screen and OSD appears.
4) Open housing of the video camera and remove tape.

Monitor screen

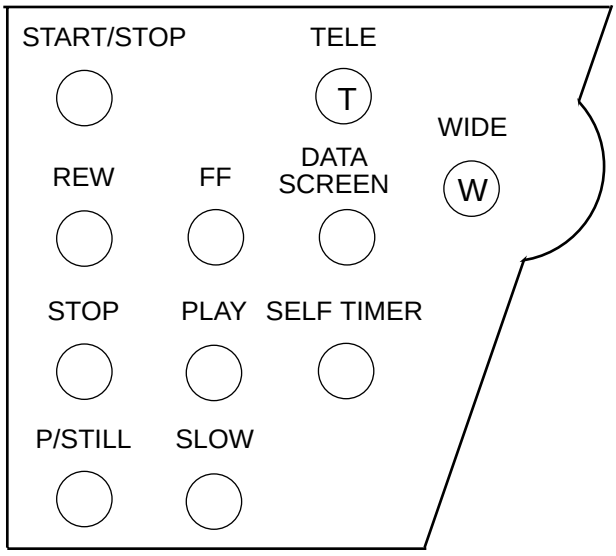


When monitor OSD shows as above screen, CVF adjustment mode has been activated successfully.

Note : "XX" indicates variable values.

STEP 2

1) Press and hold the "REW" button and "SELF TIMER" button on the video camera at the same time for more than 5 seconds.
2) Press the DATA SCREEN button to make color bar appear.



Remote Control Button Location

2. Functions of each button on the Remote Control

Button	Description
START / STOP (Confirm)	Stores changed value in the adjustment mode.
FF (Mode Up)	Shift adjustment address to left.
REW (Mode Down)	Shift adjustment address to right.
PLAY (Data Up)	Up value.
STOP (Data Down)	Down value.

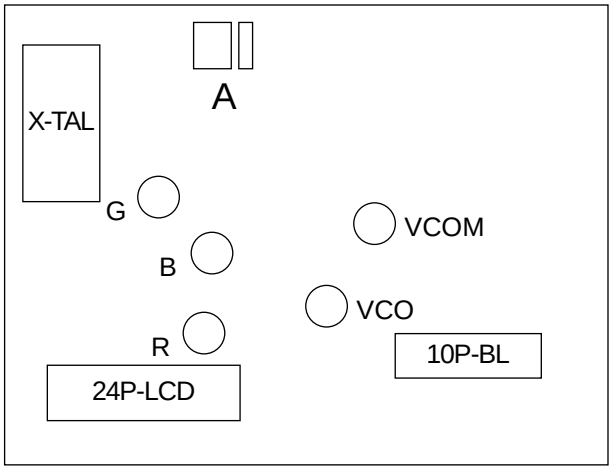
Note: In service adjustment mode, button names are different from those in customer function control mode.

3. Adjustment Mode Table

Address	Mode	PAL	NTSC	Remark
01	PLL	70	70	PLL ->Adjust
02	BRIGHT	9B	9B	BRIGHT ->Adjust
03	R-SUB	7C	7C	R-SUB ->Adjust
04	B-SUB	87	87	B-SUB ->Adjust
05	COLOR	6A	6A	COLOR ->Adjust
06	TINT	79	79	TINT ->Adjust
07	CONTRAST	77	77	CONTRAST ->Fix initial value
08	GAMMA1	6D	6D	GAMMA1 ->Fix initial value
09	GAMIMA2	B1	B1	GAMMA2 ->Fix initial value
0A	MODE1	0E	0E	PAL / NTSC ->Fix
0B	MODE2	00	00	NORMAL / TEST ->Fix
0C	MODE3	15	15	HD ->Fix

*The adjustment sequence is PLL->BRIGHT->R-SUB->B-SUB->COLOR->TINT.

4. TP Location



Note: In CVF adjustment mode, when shorting "A" of PCB to GND and pressing the START / STOP button, EEPROM stores confirmed adjustment value.
After finishing the adjustment, you have to do battery reset.

1) PLL
   a) TP-P & EVR
   b) Connect an voltmeter to TP-P.
   c) Adjust the EVR so that DC voltage is DC 1.8±0.05 Vp-p.

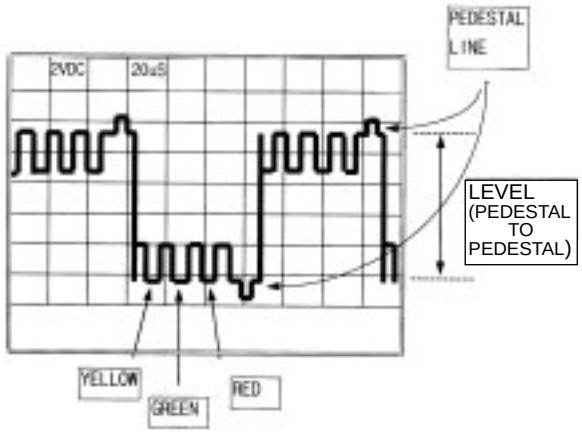
2) Brightness
   a) TP-G & EVR
   b) Connect an oscilloscope probe to TP-G.
   c) Adjust the EVR so that bright level is 7.0 Vp-p±0.1Vp-p.

3) R-Sub Brightness
   a) TP-R & EVR
   b) Connect an oscilloscope probe to TP-R.
   c) Adjust the EVR so that bright level is 7.0 Vp-p (PAL = 7.2 Vp-p).

4) B-Sub Brightness
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that bright level is 7.0 Vp-p.

3) Color
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that yellow level is 0.8 Vp-p higher than pedestal level.

4) Tint
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that green level is equal to red level.
   (PAL Mode : Adjust so that red carrier is focused on.)



2-1-2. Ass'y Left Removal

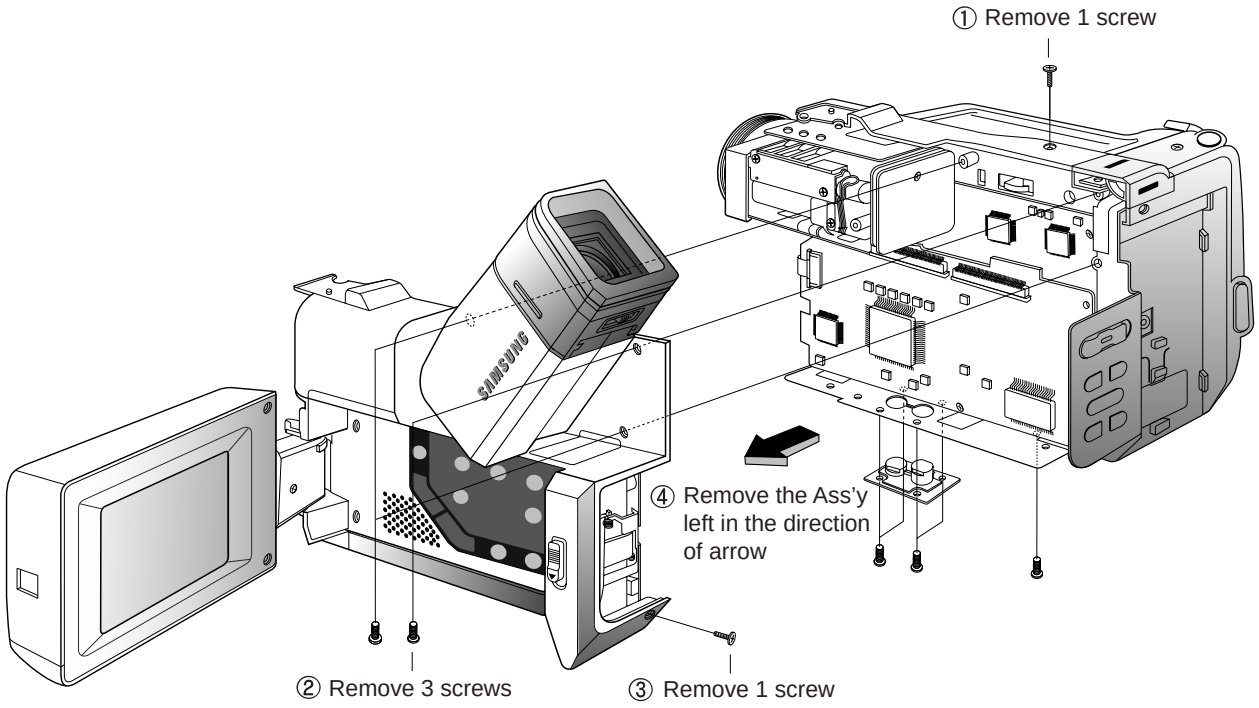


Fig. 2-2 Ass'y Left Removal

2-1-3. Ass'y EVF Removal

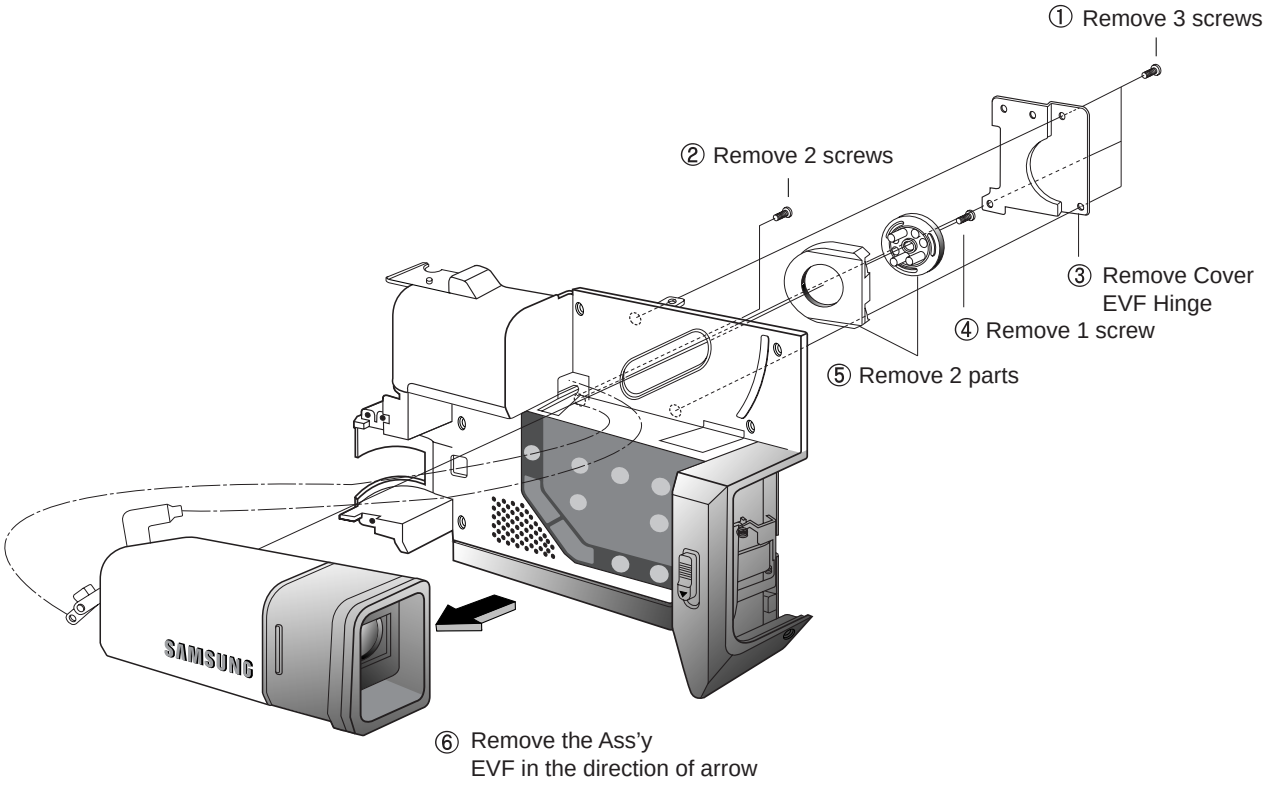


Fig. 2-3 Ass'y EVF Removal

2-1-4. Ass'y LCD Removal

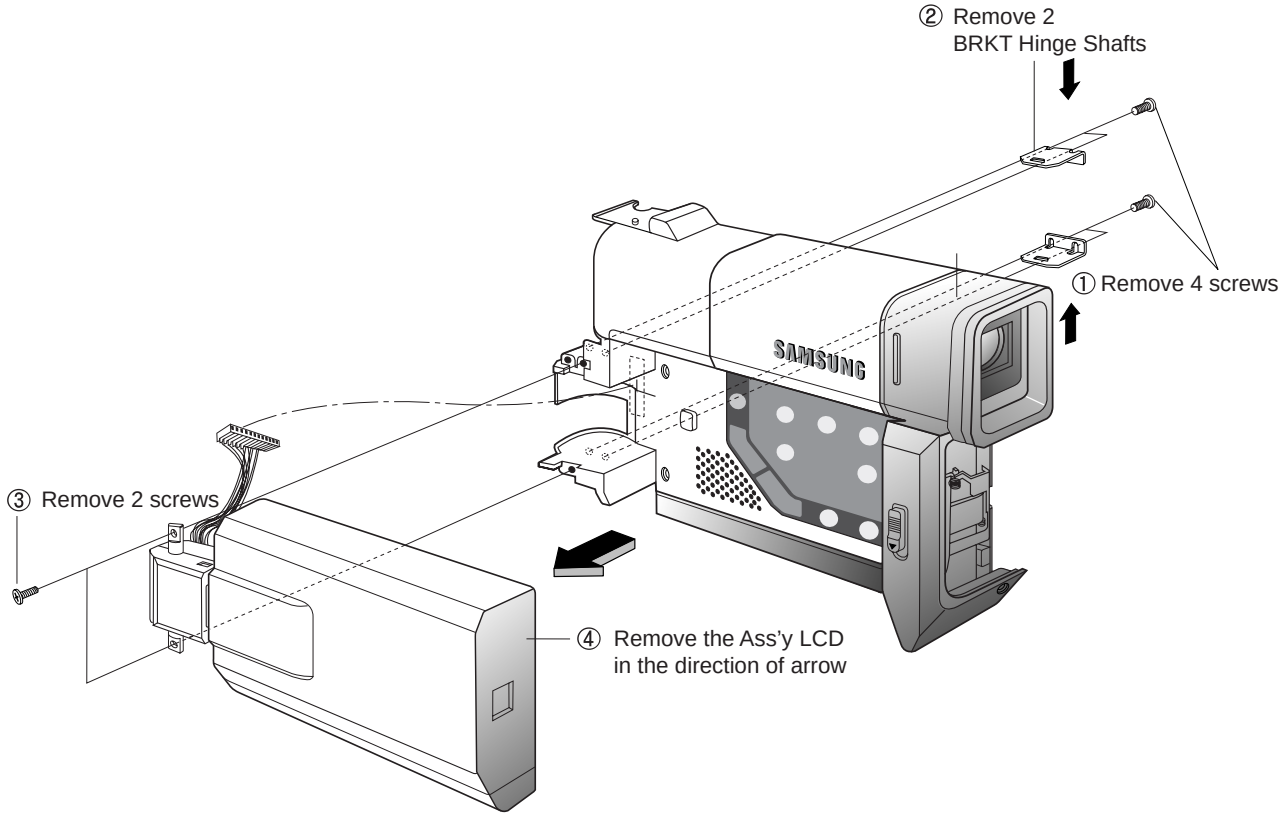


Fig. 2-4 Ass'y LCD Removal

2-1-5. Ass'y Right Removal

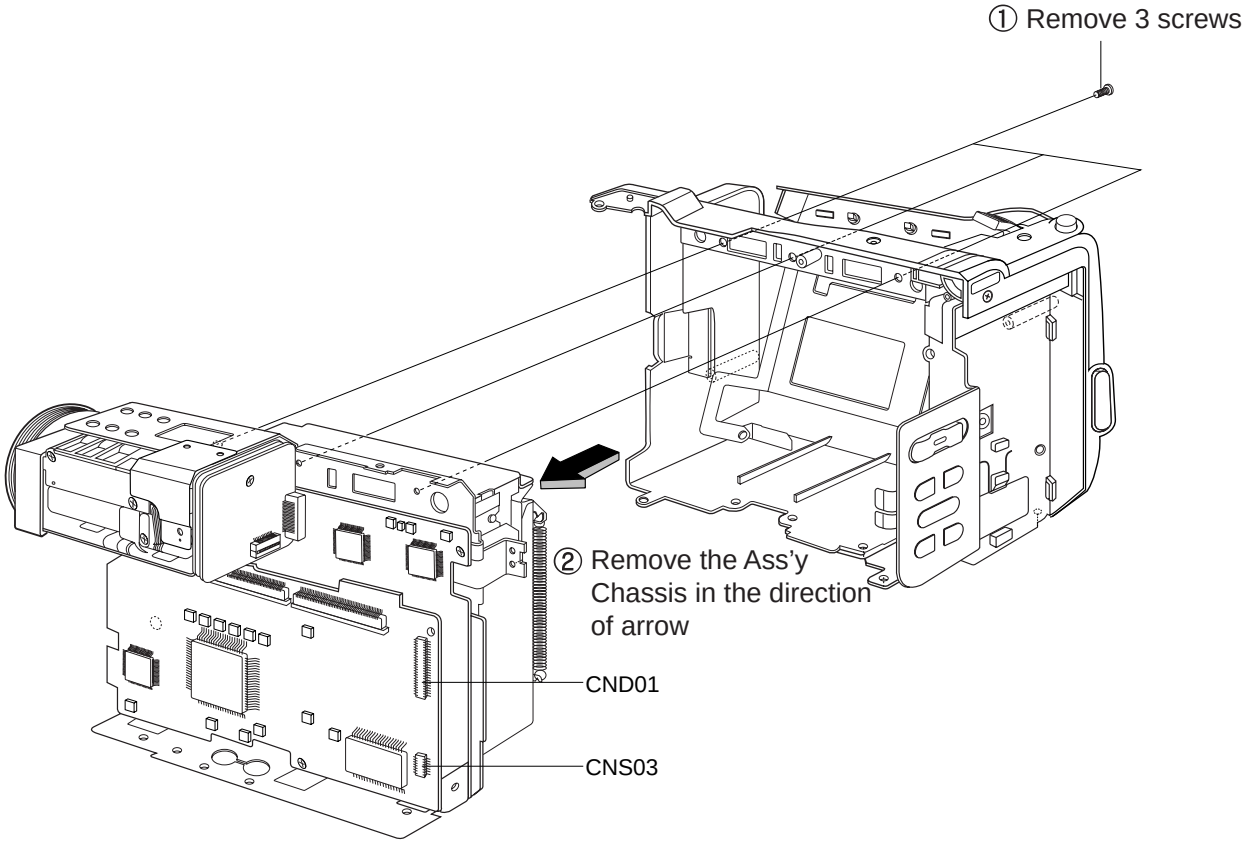


Fig. 2-5 Ass'y Right Removal

2-1-6. Ass'y Rear Removal

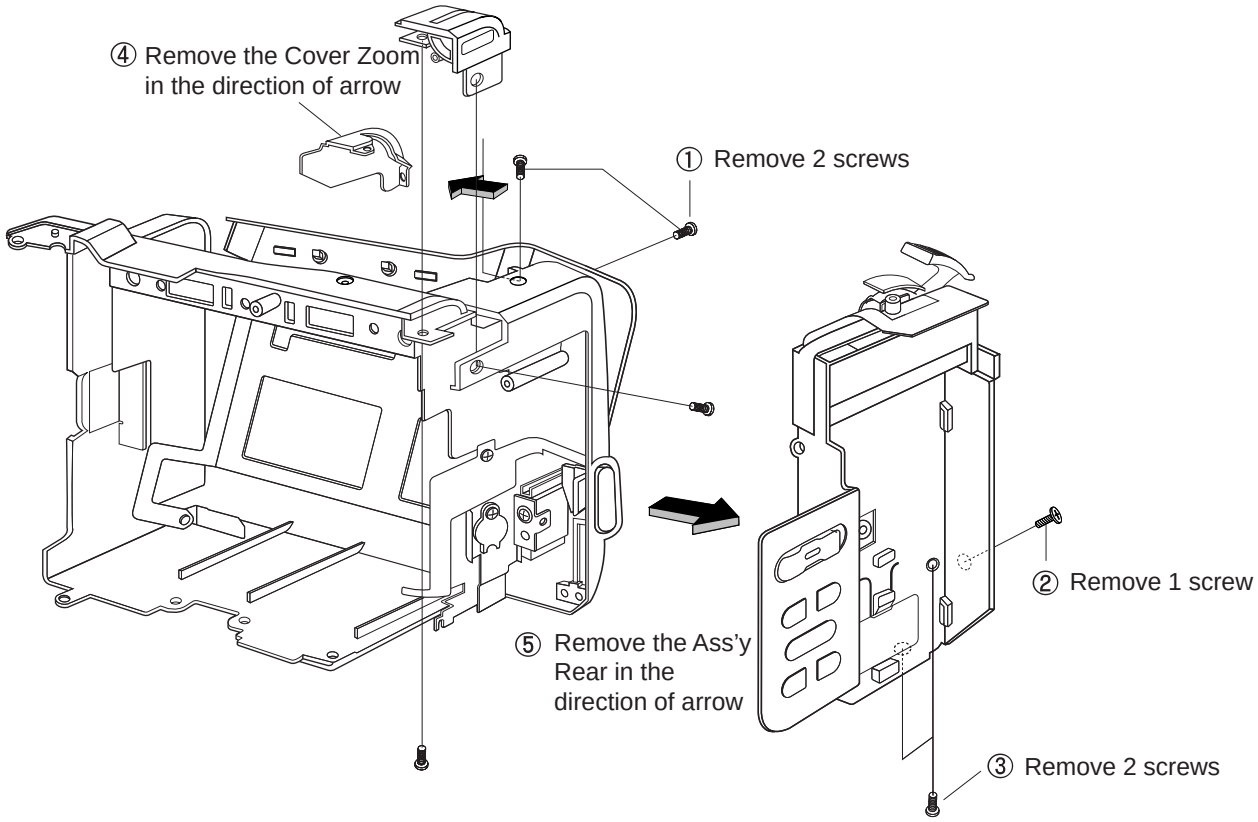

④ Remove the Cover Zoom in the direction of arrow
① Remove 2 screws
② Remove 1 screw
⑤ Remove the Ass'y Rear in the direction of arrow
③ Remove 2 screws

Fig. 2-6 Ass'y Rear Removal

2-2. Circuit Boards Location

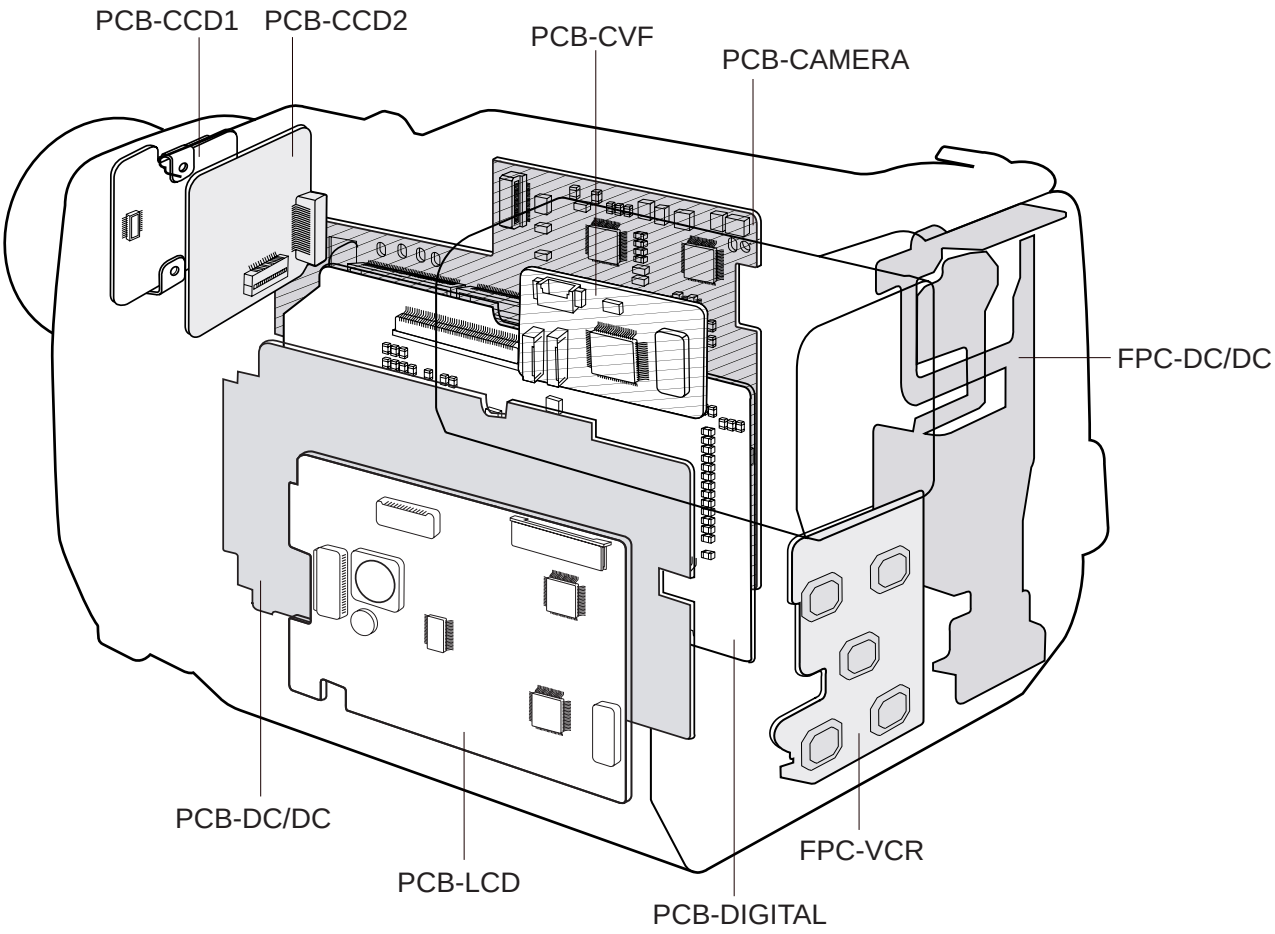


Fig. Circuit Boards Location

2-3. Connector Diagrams

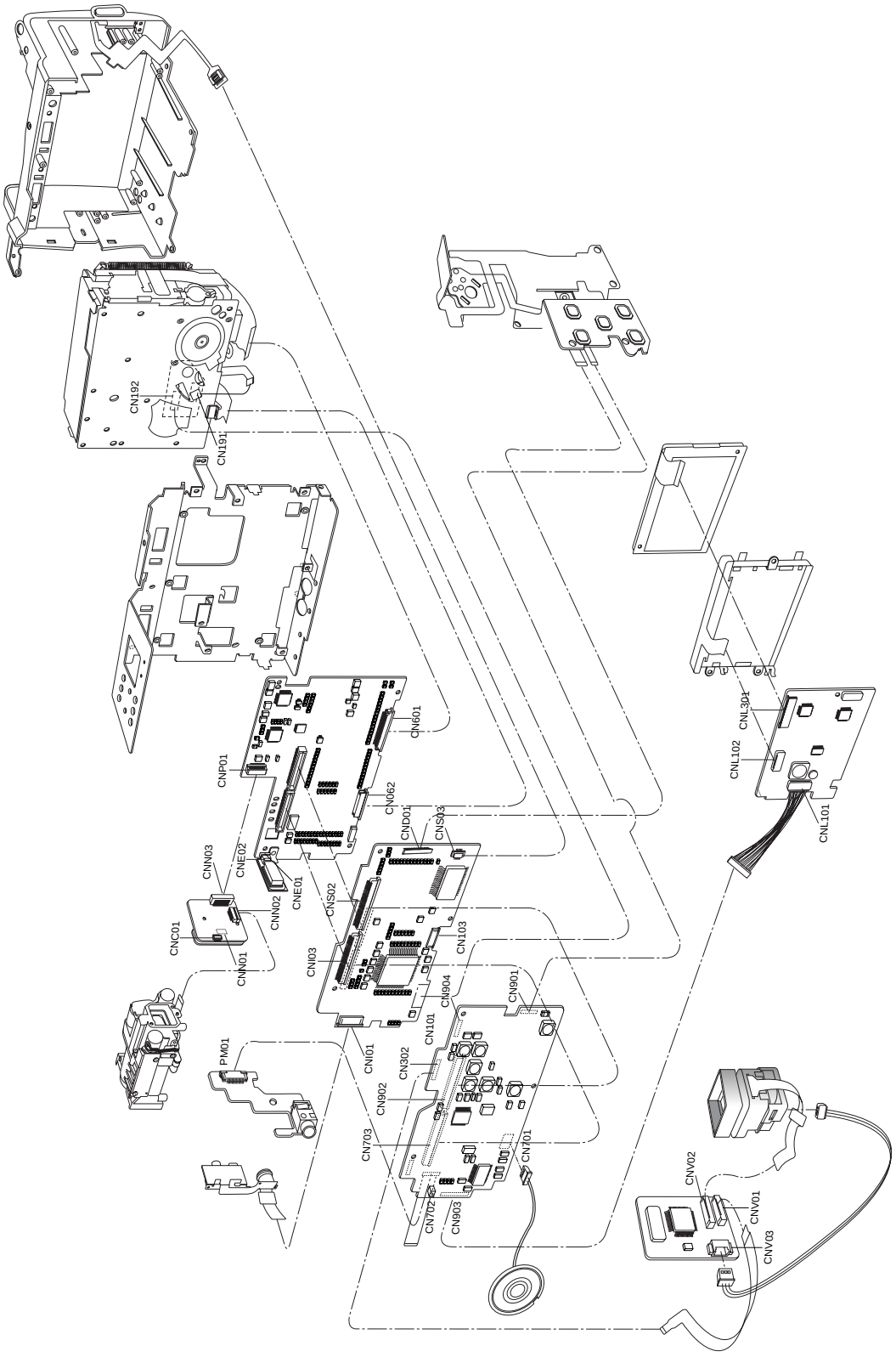


Fig. Connector Diagrams